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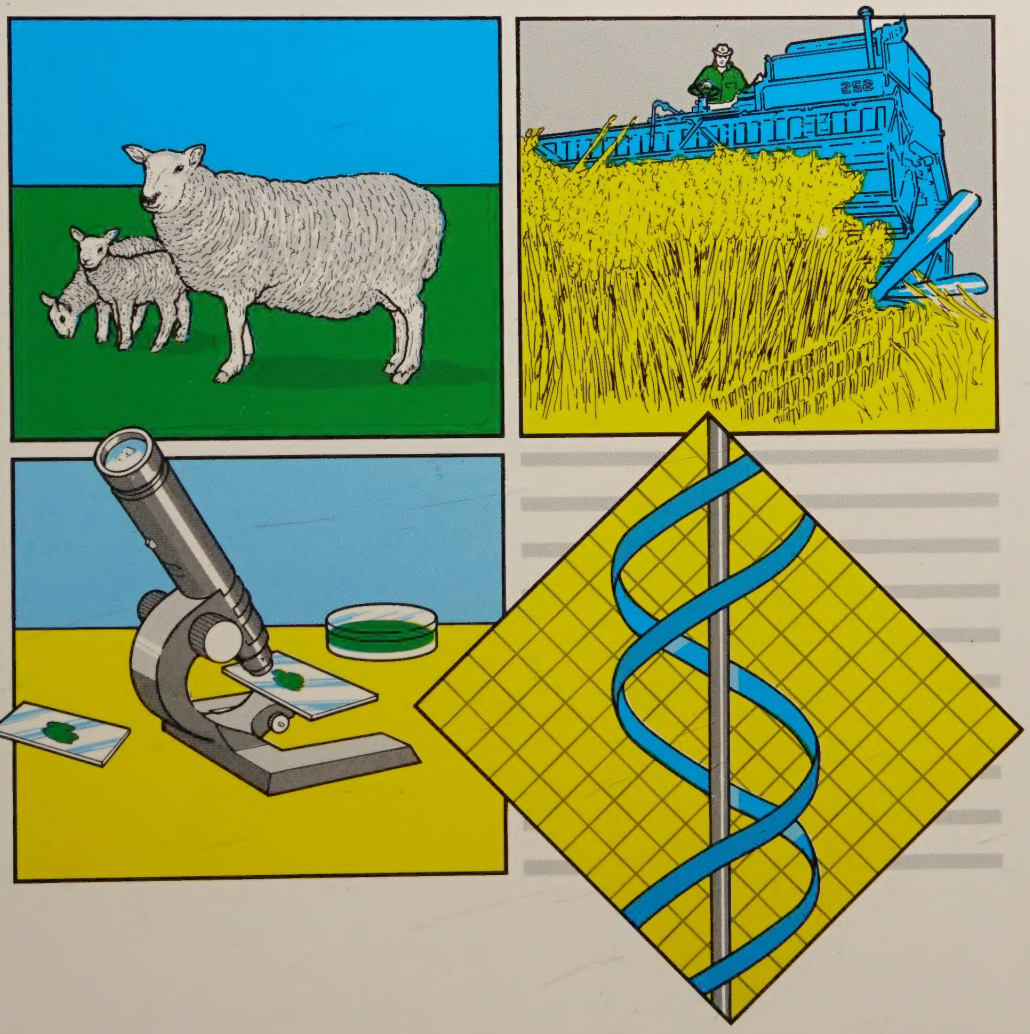

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JAN-94

AgBiotech News and Information

1994 Volume 6

INTERNATIONAL MYCOLOGICAL INSTITUTE LIBRARY 5 APR 1995

Contents

Abstracts 1 – 6733

POLICY AND PLANNING	1	83	159	239	317	397	471	545	621	697	–	873
GENETIC ENGINEERING APPLICATIONS	1	83	159	240	317	397	471	545	621	697	775	873
General	1	86	159	240	317	397	471	545	621	697	775	873
Vectors and transfer systems	2	–	159	241	318	398	472	545	621	697	775	874
Protoplast fusion	–	–	–	244	319	403	474	548	624	701	778	877
Transgenic animals and plants	4	86	162	244	320	404	474	549	624	702	778	878
Diseases and Pests	8	89	164	246	324	406	478	551	627	704	782	880
Herbicide resistance	21	–	–	250	327	412	482	556	629	707	785	884
Pharmaceuticals and biological products	21	90	172	251	328	412	483	556	–	707	785	884
Nuclear transfer	–	–	–	–	–	–	–	–	636	–	–	–
Targeted mutagenesis	23	91	173	252	329	412	484	556	636	707	786	885
In vitro selection, somaclonal and gametoclonal variation	24	92	173	253	331	414	486	557	637	708	787	886
Genetics of cell lines	25	93	174	254	333	415	487	558	637	709	788	887
Micro-organisms linked to metabolism/performance of higher animals/plants	25	93	174	255	334	415	487	558	637	710	788	887
CLONING AND GENE SEQUENCING	27	94	174	255	334	415	488	558	637	710	789	887
MOLECULAR ASPECTS OF GENE FUNCTION	36	111	189	267	344	427	500	571	647	726	811	903
GENETIC MARKERS AND GENE MAPPING	55	130	202	280	362	437	512	584	659	744	835	922
MOLECULAR TECHNIQUES	61	136	211	291	369	443	520	595	669	754	846	936
IMMUNOLOGY AND DIAGNOSTICS	62	139	212	293	371	448	522	598	672	758	848	940
CELL, TISSUE AND EMBRYO MANIPULATION	67	139	218	294	375	451	523	599	674	759	849	940
GAMETE TECHNOLOGY	75	151	227	304	383	459	532	608	685	765	860	950
CONTROL OF REPRODUCTIVE PROCESSES	77	154	229	308	385	462	534	611	689	767	862	955
DIET, FEEDSTUFFS AND PERFORMANCE REGULATORS	80	156	231	310	387	464	535	613	691	769	865	957
BIOLOGICAL CONTROL	80	–	–	311	388	465	–	614	692	–	–	–
BIOSENSORS, BIOREACTORS AND BIOENGINEERING	–	156	232	311	388	465	536	615	692	770	866	–
WASTE AND ORGANIC BYPRODUCT PROCESSING	–	–	232	–	389	465	536	615	692	771	867	957
BIOENVIRONMENTAL INTERACTIONS	80	156	232	312	392	466	537	615	692	771	868	957
ECONOMICS	–	–	234	312	393	466	538	616	694	–	–	959
SOCIAL, ETHICAL, LEGAL AND SAFETY ASPECTS	81	156	234	313	393	467	538	617	694	772	869	959
CONFERENCES	82	158	236	314	394	468	541	618	694	773	870	961
BOOKS	–	158	237	314	394	468	542	618	695	773	870	961
AUTHOR INDEX	967											
SUBJECT INDEX	1023											
LIST OF SOURCE JOURNALS	i											

>

Conference Reports

Plant Genome II
Susan McCarthy _____ 101N

The LINK Cell Engineering Programme
Karen Rowlett & John Palmer _____ 103N

Issues In Agricultural Bioethics
T.B. Mepham, G.A. Tucker and J. Wiseman _____ 153N

4th International Congress of Plant Molecular Biology
David Hemming _____ 217N

Agricultural Biotechnology and the Public Good
Loren Mooney _____ 231N

International Agricultural Biotechnology Programmes: Providing Opportunities for National Participation
J.I. Cohen and J. Komen _____ 257N

41st Annual meeting of the Genetics Society of Australia
A. Ruvinsky _____ 291N

Review Articles

An assessment of present and future effectiveness of embryological techniques in ruminants
Z.W. Luo, J.A. Woolliams and G. Simm _____ 13N

Nitrogen-fixing root nodule symbioses of higher plants
K. Pawlowski and T. Bisseling _____ 33N

Bovine embryo multiplication: progress and challenges
I. Wilmut and K. Campbell _____ 77N

Genetic mapping in forest trees: RFLPs, RAPDs and beyond
David B. Neale & David E. Harry _____ 107N

Technology transfer initiatives of the International Service for the Acquisition of Agri–biotech Applications
David W. Altman _____ 131N

Sorting of farm animals chromosomes by flow cytometry
Elizabeth M. Tucker and Nigel G.A. Miller _____ 159N

Agricultural biotechnology policies in Latin America and the Caribbean
Walter R. Jaffé _____ 237N

CIRAD and biotechnology
J. Schwendiman, H.G. Diem and P.C. Lefevre _____ 269N

Detection and use of major genes in animal breeding
B. Kinghorn, J. van Arendonk and J. Hetzel _____ 297N

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The layout of an abstract is indicated below:

1 Abstract number
2 Author
3 Title in English
4 Original title if in Roman script
5 Journal or other document
6 Year, volume, part and pagination
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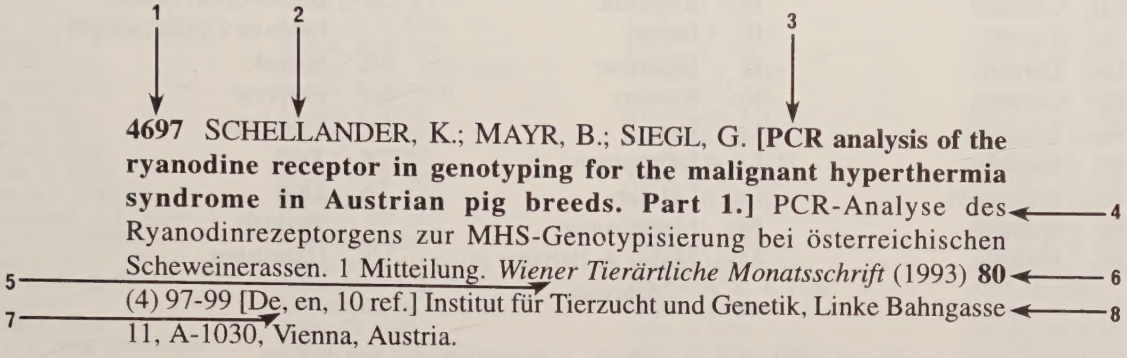
8 Organization where work was carried out
9 Abstract



4697 SCHELLANDER, K.; MAYR, B.; SIEGL, G. **[PCR analysis of the ryanodine receptor in genotyping for the malignant hyperthermia syndrome in Austrian pig breeds. Part 1.]** PCR-Analyse des Ryanodinrezeptorgens zur MHS-Genotypisierung bei österreichischen Scheweinerassen. 1 Mitteilung. *Wiener Tierärtliche Monatsschrift* (1993) **80** (4) 97-99 [De, en, 10 ref.] Institut für Tierzucht und Genetik, Linke Bahngasse 11, A-1030, Vienna, Austria.

Skin snips were taken from 16 Landrace, 36 Edelschwein, 35 Piétrain and 15 Edelschwein × Piétrain pigs, and DNA from the samples was amplified by the polymerase chain reaction, using oligonucleotide primers based on the DNA sequence for the porcine ryanodine receptor (RR) gene. The amplified DNA was digested with *Hin*PI, and restriction length polymorphism analysis was carried out. The results of the RR typing were compared with halothane test results. For halothane-negative pigs of the 4 breed groups, 8 of 14, 2 of 35, 4 of 5, and all 15 crossbred pigs resp. were shown by RR typing to be heterozygotes (*N/n*) at the halothane locus. No halothane-positive pigs were of the *N/n* genotype.

For non-serial publications such as books, transliterated titles are given for languages in Cyrillic or Greek scripts.

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LANGUAGE ABBREVIATIONS

An initial capital denotes the language of the paper; an initial small letter, the language of the summary.

Af	Afrikaans
Al	Albanian
Ar	Arabic
Az	Azerbaijani
Be	Byelorussian (White Russian)
Bg	Bulgarian
Ch	Chinese
Cs	Czech
Da	Danish
De	German
Ee	Estonian
En	English
Eo	Esperanto
Es	Spanish
Fi	Finnish
Fr	French
Gr	Greek
He	Hebrew
Hi	Hindi
Hu	Hungarian
Ia	Interlingua
In	Indonesian
Is	Icelandic
It	Italian
Ja	Japanese
Ko	Korean
La	Latin
Li	Lithuanian
Lv	Latvian
Ma	Macedonian
My	Malay & Bahasa Malaysia
Nl	Dutch
No	Norwegian
Pe	Persian
Pl	Polish
Pt	Portuguese
Ro	Romanian
Ru	Russian
Sh	Serbo-Croat (either Latin or Cyrillic script)
Sk	Slovak
Sn	Slovene
Sv	Swedish
Ta	Tajik
Th	Thai
Tr	Turkish
Uk	Ukrainian

COMMONLY USED ABBREVIATIONS

a.i.	active ingredient
AAS	atomic absorption spectrometry
ADP	adenosine diphosphate
AI	artificial insemination
AMP	adenosine monophosphate
ASN	ammonium sulfate nitrate
ATP	adenosine triphosphate
bp	base pairs
BOD	biological oxygen demand
cAMP	cyclic adenosine monophosphate
CaMV	cauliflower mosaic caulimovirus
CAN	calcium ammonium nitrate
CAT	chloramphenicol acetyl transferase
CEC	cation exchange capacity
CMS	cytoplasmic male sterility
COD	chemical oxygen demand
CR	conception rate
ctDNA	chloroplast DNA
DM	dry matter
ELISA	enzyme-linked immunosorbent assay
ESP	exchangeable sodium percentage
FSH	follicle stimulating hormone
FYM	farmyard manure
GC/MS	gas chromatography/mass spectrometry
GLC	gas-liquid chromatography
GnRH	gonadotropin-releasing hormone
GUS	β-glucuronidase
Hb	haemoglobin
HCG	human chorionic gonadotropin
HPLC	high performance liquid chromatography
IBDU	isobutylidene diurea
Ig	immunoglobulin
kb	kilobases
LH	luteinizing hormone
ME	metabolizable energy
MHC	major histocompatibility complex
MS	Murashige & Skoog
mtDNA	mitochondrial DNA
MW	molecular weight
NAD	nicotinamide adenine dinucleotide
NADH	nicotinamide adenine dinucleotide (reduced form)
NADP	nicotinamide adenine dinucleotide phosphate
NADPH	nicotinamide adenine dinucleotide phosphate (reduced form)
NFT	nitrogen fixing tree/s (including shrubs)
NOS	nopaline synthase
NPT	neomycin phosphotransferase
OM	organic matter
PAGE	polyacrylamide gel electrophoresis
PCR	polymerase chain reaction
PEG	polyethylene glycol
PG	prostaglandin
PMC	pollen mother cell
PMS	pregnant mare serum
PMSG	pregnant mare serum gonadotropin
RFLP	restriction fragment length polymorphism
SAR	sodium adsorption ratio
SDS	sodium dodecyl sulfate
SSP	soluble sodium percentage
TLC	thin layer chromatography

AUTHOR INDEX

Aal, S. I. A. 3785
Aalbers, K. 3132
Aalderen, M. van 3438
Aalen, R. B. 4067
Aaronson, S. A. 3665
Aarts, J. 1163
Aarts, J. M. M. J. G. 378
Aaspõllu, A. 129
Abad, A. 4700
Abad, P. 3356
Abak, K. 6002
Abassa, K. P. 2202
Abate, C. 2415
Abbas, G. M. 4613
Abbo, S. 1872, 3098
Abbott, A. 2540
Abbott, A. G. 4730
Abbott, C. M. 1940
Abboud, M. Y. 1524
Abdel-Aal, S. I. 3785
Abdel-Mawgood, A. L. 3099
Abdulaev, N. G. 5040
Abdulnour, J. 5975
Abdurahiman, K. K. 25
Abe, A. 2580
Abe, H. 1067, 3979
Abe, K. 757, 3934, 4079, 4594
Abe, M. 1067
Abe, R. 4965
Abe, S. 507
Abe, T. 3408, 3779, 3934, 4594, 6023
Abel, S. 3542, 4068
Abel, W. O. 746, 3136
Abernethy, G. A. 2697
Abilov, A. I. 4309
Abler, M. L. 199
Abney, G. 2647
Abo-Hashema, K. 6059
Abousalim, A. 5976
Abplanalp, H. 2503
Abraham, C. R. 1695, 3323
Abraham, J. A. 175
Abramow-Newerly, W. 5368, 5552
Abrams, S. R. 4608, 6715
Abrams-Ogg, A. C. G. 2215
Abruzzese, A. 4652
AbuBakar, U. 1278
Abulfatih, H. A. 4698
Abumrad, N. A. 5564
Acampora, D. 823
Accerbi, M. 397
Acevedo, F. 5287
Acha-Orbea, H. 42, 586, 5500
Acharya, A. S. 5507
Acharya, S. K. 760
Achbarou, A. 6237
Achterberg, T. A. E. van 2609
Ackerman, S. L. 2382
Ackermann, M. 54
Ackerveken, G. F. J. M. van den 1707, 3914
Ackland-Snow, A. 2215
Acuña, G. 167
Adachi, A. 1158
Adachi, R. 3687
Adachi, T. 13
Adachi, Y. 3157
Adam, A. F. 4152
Adam, G. 2586
Adam, J. 4218
Adam, K. D. 6157
Adami, A. 5436
Adams, G. P. 2150
Adams, G. W. 5065
Adams, L. J. 4659
Adams, M. 755
Adams, M. D. 5460
Adams, R. M. 1666
Adams, R. P. 4698
Adams, S. A. 448
Adams, W. W., III 6116
Adamson, C. 4121
Adamson, R. E. 137
Adan, R. A. H. 2383
Adang, M. J. 2787
Adelberg, J. W. 464, 2611
Adelman, J. P. 4030, 6223
Aderkas, P. von 4807, 4874
Adhya, S. 4574
Adiletta, D. C. 876
Adkins, S. 1109
Adkins, S. W. 160, 2110
Adler, L. S. 2183
Adney, W. S. 6095
Adolph, E. A. 579
Adolph, K. W. 3827, 6740
Adolph, R. D. 3700
Adolph, S. 4150
Adonin, V. I. 1572
Adra, C. N. 5765
Adrian, G. S. 4050
Aebersold, R. 4509
Aegerter, M. 1293
Aelbers, H. 1249
Afanador, L. 6181-6182
Affranchino, J. L. 4977
Affranchino, M. A. 2118
Africa, D. 4143
Afshar, A. 1467, 3137
Afshari, M. 3199
Afza, R. 6192
Afzal, N. 4069
Agaba, M. 877
Agabian, N. 3888
Ağaoğlu, Y. S. 6002
Agar, A. 522
Agarwal, K. 39
Agarwal, M. 1200
Agarwal, P. K. 3169
Agarwal, S. 5472
Agarwal, S. K. 508, 3766
Aggarwal, A. 5162
Aggerbeck, M. 249
Aghajanian, J. 4938
Agnew, W. S. 4692
Agosin, E. 1099
Agrawal, S. 2861
Agro, C. M. 6058
Aguet, M. 156, 4040, 4974, 5493, 6214
Agui, T. 5254
Aguilar, M. E. 6622
Aguilar-Cordova, E. 2236
Aguilera, J. M. 1099
Aguirre, B. C. 1647
Aguirre, G. 894
Aguirre, P. J. 1237
Agulnik, S. 3046
Aguma, C. O. 4779
Aguzzi, A. 3401, 5493, 5512, 6210
Aguzzoli, C. 1314
Agyeman, F. 5127
Ahée, J. 4246
Ahl-Goy, P. 1159-1160
Ahloowalia, B. S. 6612
Ahlquist, J. E. 1789
Ahlquist, P. 107, 123
Ahmad, M. 2345, 2432
Ahmad, S. D. 3623-3625
Ahmed, K. 3158
Ahn, B. O. 3722
Ahn, S. 2538-2539
Ahn, S. N. 4699
Ahokas, H. 5260
Ahoussou, N. 1652
Ahuja, M. R. 6507
Ahuja, P. S. 1006, 1685, 6156
Aichele, P. 4965
Aida, K. 4499
Aida, Y. 6684
Aikawa, M. 82
Aikawa, Y. 5355
Ainley, W. M. 2790
Ainsworth, C. 1238
Ainsworth, L. 6666
Ait-Ali, T. 422
Aitken, E. A. B. 1180, 1968
Aitken, R. P. 5428
Aitken, S. A. 6508
Aizawa, H. 198
Aizawa, S. 620, 3409-3410, 3421, 5497, 6209
Ajay Singh 5440, 5443
Ajmone-Marsan, P. 1995
Akada, S. 200
Akagi, H. 2927
Akahori, F. 3338
Akaike, T. 710
Akakabe, Y. 4442
Akazawa, C. 686
Akbarzadeh, J. 4137
Akerboom, M. 2243
Akerley, B. J. 1139
Akers, R. M. 5015
Akeson, R. 2983
Akiba, M. 2135
Akihama, T. 5893
Akil, H. 3441, 5084
Akinlosotu, B. A. 2146
Akioka, H. 3444
Akira, S. 3526
Akita, M. 3781, 4346
Akiyama, F. 2649
Al-Janabi, S. M. 3019
Alabyev, B. Y. 685
Alagappan, R. K. 3990
Alanen-Kurki, L. 5763
Albà, M. M. 4614
Albanesi, C. 819
Albani, D. 2020
Albarran-Gomez, E. 2574
Albaum, M. 3136
Alberio, R. 4325
Albers, G. A. A. 3595
Albers, K. M. 3325
Albersheim, P. 94, 6175
Albert, V. A. 1795, 1843, 6509
Albertsen, M. C. 6070
Albiston, A. L. 812
Albrandt, K. 632
Albrecht, H. 1931
Albrecht, T. 326
Albrieux, C. 4644
Alcamí, A. 1140
Alcantara, O. 2978
Alché, J. D. 6510
Alcina, A. 1220
Alcorn, J. L. 1199, 5727
Alderson, P. G. 2646
Alderuccio, F. 4403
Aldwinckle, H. S. 4948, 6662
Alejandro, R. 3975, 4514
Aleman, M. E. 5104
Aleman-Gomez, J. A. 649
Alemanno, L. 6051
Alestrom, P. 2764
Alexander, B. 530
Alexander, D. 1159-1160, 1184, 1640, 2851, 3905
Alexander, L. J. 6491, 6504
Alfano, R. M. 890
Alfenito, M. R. 2346
Alfermann, A. 1645
Alfermann, A. W. 1564, 3390
Alfuraiji, M. M. 1588
Alho, H. 5053
Alhonen, L. 35, 585, 3336, 4968
Ali, J. 1512, 3675, 4233
Ali, S. 1388, 2804
Alibert, G. 2781, 3183, 5415
Alicchio, R. 3634
Aliev, R. T. 1873
Alifakiotis, T. 2069
Aliño, S. F. 2204
Alkemade, S. 970
Allaire, F. 1594
Allan, G. M. 1468
Allan, J. M. 2311
Allan, R. E. 6761
Allard, D. 3504
Allard, S. 2682, 3493
Allardet-Servent, A. 2250
Alleman, A. R. 1389
Allen, G. 60
Allen, J. F. 2426
Allen, J. O. 2943
Allen, K. K. 1173
Allen, M. R. 2490
Allen, N. D. 2072, 2419, 5179
Allen, P. M. 3339
Allen, R. D. 3789, 4558
Allen, R. L. 4094
Allen, R. M. 6083
Allen, S. M. 1293
Allenet, B. 3506
Alleweldt, G. 1057
Allison, J. P. 2294
Allison, L. 422
Allison, L. A. 6357
Allison, R. F. 3363, 6728
Allman, S. L. 4739
Allot, M. 5986
Allsopp, B. A. 4222
Allsopp, M. T. E. P. 4222
Alm, H. 6663
Almehdi, A. A. 3737
Almeida, E. R. P. de 571
Almeida Engler, J. de 2265, 2450
Almers, W. 2334
Almoguera, C. 2173, 6258
Almon, E. 5714
Almquist, D. C. 1538
Alonso, S. 878
Alonso-Blanco, C. 5872
Alred, R. 5213
Alstad, A. D. 3144
Alt, F. 4587
Alt, F. W. 621
Altan, A. D. 1012
Altenhofen, W. 1204
Althage, A. 2809, 2869
Althen, T. G. 1078
Altman, A. 2084
Altman, D. W. 555, 6722
Altmann, D. M. 824
Altmann, T. 1996
Alton, E. W. F. W. 4384
Altosaar, I. 310
Altschmied, L. 5221
Altschul, S. F. 6335
Altschuler, M. 1613, 5770
Altschuler, R. A. 6165
Altuvia, S. 2286
Altvorst, A. C. van 6613
Alvares, K. 2344, 3539
Alvarez, E. 5872
Alvarez-Morales, A. 1170
Alvira, M. 2208
Amagai, H. 993
Amagai, M. 5046
Amann, E. 454, 708
Amano, O. 658
Amano, T. 6469
Amano, Y. 490, 6276
Amanuma, H. 3537
Amara, S. G. 3509
Amarger, N. 169
Amasino, R. M. 1465, 3486
Amaya, Y. 3955
Ambard-Bretteville, F. 1246
Ambid, C. 2109, 5988
Ambriz, D. 3227
Ambrogio, E. de 6690
Ambroise, A. 3928
Ambrose, M. J. 3422
Ambrose, W. P. 4746
Ambrosini, M. 6255
Amegninou, D. 4353
Amemiya, C. T. 4386
Amer, P. R. 3270
Ames, G. F. L. 5347

Ami, Y. 3973
Amici, A. 5345
Amigues, Y. 4674
Amin, M. N. 456, 2074
Amiri, P. 4492
Amita Pal 567, 4824
Amlaiky, N. 2909
Amner, W. 2193
Amrani, D. L. 241
Amrhein, N. 1803-1804, 4000, 5797
Amri, E. Z. 5564
Amselem, J. 1807
Amselem, S. 1304
Amstislavsky, S. Y. 2043
Amundson, C. H. 1593
Amuthan, G. 3379
An, G. 1322, 3559, 6398
An, G. H. 1900, 3999, 6349
An, H. Y. 4004, 5645
Anachkova, B. 5033
Anai, T. 1264
Anamthawat-Jónsson, K. 4169
Anand, R. C. 6091
Anandan, S. 4550
Anan'ev, E. V. 1831
Ananiev, E. 4172
Anbari, K. 1041
Ancherani, M. 1679
Andayani, N. 890
Andersen, B. 758, 2384
Andersen, J. S. 865
Andersen, O. 2764
Andersen, S. B. 520, 4875, 6683
Anderson, A. J. 95
Anderson, B. E. 2827
Anderson, C. P. 5835
Anderson, D. C. 5479
Anderson, D. J. 1194
Anderson, D. M. 843
Anderson, G. B. 962, 2059, 3335, 3676, 3683, 6592
Anderson, G. J. 2550
Anderson, J. A. 2538, 5261
Anderson, J. B. 1436
Anderson, J. F. 3141, 3147
Anderson, J. V. 5091, 6286, 6350
Anderson, K. P. 5496
Anderson, M. A. 2164, 2679
Anderson, M. D. 3793, 6709
Anderson, O. D. 1118, 1330, 5262
Anderson, P. 4874
Anderson, P. A. 1178
Anderson, P. C. 3344
Anderson, R. 6723
Anderson, R. D. 2412
Anderson, S. J. 3321
Anderson, S. K. 817
Anderson, S. T. 3248
Anderson, W. F. 2787
Andersson, E. 176
Andersson, L. 887, 1482, 1946, 1963, 2491, 3072, 3599, 3609, 3944, 4124, 4683, 6462
Ando, C. 3445
Ando, H. 3935
Andoh, T. 673
André, C. P. 1442
Andre, M. T. 3067
Andreo, C. S. 4599
Andres, D. A. 633
Andrés, V. 3503
Andresen, E. 1942
Andresen, J. M. 5336
Andresen, O. 965, 4790
Andreu, F. 4449
Andrews, D. L. 6351
Andrews, E. R. 5083
Andrews, G. F. 6084
Andrews, G. K. 1786
Andrews, N. C. 634
Andrews, P. C. 196
Andrews, R. 4143
Andrews, T. J. 1357
Anel, L. 6602
Ang, H. L. 2800
Ang, L. H. 5768
Angel, F. 1969
Angel, P. 5144
Angel, T. A. 879
Angeles, M. 1311
Angelini, G. 753
Angelini, P. 2549
Angelopoulou, R. 4407
Angenent, G. C. 2427, 3574
Anguita, G. 4769
Angulo, A. 1140
Anis, N. A. 423
Anjana Bhattacharyya 4907
Anjarne, M. 3694
Ann, D. K. 188
Ansari, H. A. 1424, 3585
Ansarin, M. 6204
Ansorge, W. 265
Antczak, D. F. 76, 6224
Antequera, F. 2555, 5565
Anthamatten, D. 167
Anthony, P. 4808
Anthony, R. G. 201, 1344
Anthony, R. V. 3463
Antignus, Y. 3674
Antonetti, P. L. E. 2296
Antonio, B. A. 5911
Antoniv, T. T. 844
Antoniw, J. F. 136, 3383
Antonson, P. 797
Antunes, C. M. F. 1469
Anwar, A. 6222
Anzai, M. 1130
Anzivino, M. J. 4039
Ao, G. M. 6333
Aoki, C. 982
Aoki, H. 5622
Aoki, J. 4513
Aoki, K. 3689
Aoki, S. 1111, 5623
Aono, F. 4860
Aono, M. 5537
Aotsuka, S. 1264, 6716
Aoyagi, K. 202
Aoyagi, T. 2205
Aoyama, A. 1209
Aoyama, H. 2428
Aoyama, S. 3353
Ap Rees, T. 5233
Apel, K. 273, 744, 5107, 5846
Apostolakos, M. J. 5936
Apotheker-de Groot, M. 4549
Appa Rao, K. B. C. 2596, 2667, 6673
Appell, K. M. 4802
Appella, E. 661
Appels, R. 4985, 5263, 5291, 5295
Appleby, R. D. 4955
Applegate, D. 5019
Apps, P. 4338
Apter, R. C. 3695-3696
Aquadro, C. F. 4128, 4515
Arai, H. 5606
Arai, K. I. 5169
Arai, M. 622, 2888
Arai, N. 5169
Arai, S. 757, 4079
Arai, T. 4860
Arai, Y. 1239, 5020, 5596
Arakawa, C. K. 1470
Arakawa, H. 3391, 4459
Araki, H. 6532
Araki, K. 635
Araki, M. 635
Araki, T. 5831
Aranda, A. 2989
Araujo-Jorge, T. C. 4771
Arav, A. 3159, 4304
Aravamudan, B. 5135
Aravindakshan, M. 3715
Araya, A. 872, 5769
Arbeit, J. M. 2219
Arbel, R. 5334
Arbinger, B. 2940, 5638
Arbonés, M. L. 4493
Arceci, R. J. 5566
Archbald, L. F. 4324
Archer, J. S. 6158
Archibald, A. 2492
Archibald, A. L. 2491-2492, 2501, 6448-6449
Arcioni, S. 2107, 5879
Ardati, A. 1844
Arditti, J. 2192
Ardon, O. 5444
Arello, E. F. 3170, 3174
Arenas, C. 4653
Arendonk, J. A. M. van 3166, 5246
Arendonk, J. M. van 6450
Arène, L. 3411
Arens, P. 6549
Aresu, O. 753
Argentin, S. 1844
Argentini, C. 6229
Argenton, F. 2979
Argüello-Astorga, G. 294
Arı, Ş. 383
Aria, G. 1070
Arias, D. I. 1969
Arias, M. B. 2476
Arias-Castro, C. 983-984
Arias-Garzon, D. I. 3011
Arias Moreira, O. 6718
Ariatti, M. 4762
Ariel, M. 764, 2982
Ariga, H. 787
Arigoni, F. 167
Arimoto, M. 2645
Arimura, A. 4580
Ariño, J. 3492
Ario, T. 6315
Arlinghaus, H. F. 4748
Armer, C. C. 3244
Armitage, S. M. 6451
Armstrong, C. L. 3854
Armstrong, D. T. 2131, 3285, 4244
Armstrong, J. D. 2683
Armstrong, J. L. 4757
Armstrong, K. 5264, 5288
Armstrong, K. C. 2020
Armstrong, S. A. 633, 759
Arnason, U. 6493
Arnheiter, H. 34
Arnim, A. G. von 5831, 5855
Arnold, A. 6167
Arnold, B. A. 1217
Arnold, H. H. 5004
Arnold, M. L. 1431, 5265, 5886
Arnold, N. P. 5975
Arnold, S. von 1119, 4606
Arnoldo, M. 6616
Arnoldo, M. A. 6404
Arnould, J. 4361
Arokiaraj, P. 5480
Arondel, V. 6297
Aronson, A. I. 4343
Arora, R. 6352
Arora, V. K. 1068
Aroya, N. B. 5175
Arrang, J. M. 3977, 5073
Arrigo, P. 2974
Arrillaga, I. 2612, 3171
Arruda, L. K. 2253
Arruda, P. 2748, 4117
Arsene, F. 174
Arteca, R. N. 2285, 5097
Arthur, A. E. 4183
Arti, P. 5977
Artzt, K. 262, 3658
Arulsekar, S. 1979
Arumuganathan, K. 4153
Aruna, M. 1970
Arús, P. 1427
Arvin, K. L. 613
Arya, I. D. 985
Arya, S. 985
Arzani, A. 2136
Asada, K. 6116
Asada, Y. 4443, 4478, 5442
Asahi, T. 6315
Asai, D. J. 6741
Asaka, D. 1567
Asaka, I. 4809
Asako, Y. 3296
Asano, H. 3424
Asano, T. 1531
Asano, Y. 3847, 4298
Asante, E. A. 3322
Asao, H. 3962
Asari, F. 997
Asari, J. 457
Asay, K. H. 4714
Asghar, A. A. 523
Ash, J. 1845
Ashapkin, V. V. 844
Ashash, E. 1491
Ashburner, G. R. 2613
Ashby, A. M. 87
Asher, G. W. 525, 1589, 3160
Ashfield, T. 3901
Ashford, M. L. J. 6223
Ashihara, H. 4821, 4825, 4833
Ashikawa, I. 5911
Ashley, C. T. 3936
Ashman, R. 3163
Ashraf, M. 575, 5770
Ashton, A. R. 3465, 3476
Ashurst, J. L. 1331
Ashworth, A. 784, 5054
Asif, M. 6085
Askew, G. R. 5547
Åslund, L. 53
Aspegren, K. 3348
Aspinwall & Company Ltd. 2698
Aspuria, E. T. 5857, 6353
Assaad, F. F. 270
Assad, N. 3579
Asselin, A. 1326
Asso, J. 3593
Astorga, R. 1558
Atac, E. 5859
Atac, E. T. 2531
Atanasoski, S. 6464
Ateitalla, I. 760
Athanassiadis, A. 5047
Atherton, T. L. 2556, 3774
Atkins, C. J. 1071
Atkinson, B. 5906
Atkinson, B. G. 271, 2431, 5640, 5662-5663, 5776, 6097-6098, 6105
Atkinson, C. J. 2106
Atkinson, I. J. 3931
Atkinson, M. D. 4163
Atkinson, R. G. 3466
Atkinson, T. 1588
Atlan, A. 1874, 1971
Atlas, R. M. 5450
Atsumi, T. 527
Atta-Asafo-Adjei, E. 177
Attali, B. 2883
Attaway, D. H. 6742
Attree, S. M. 2075
Au, W. C. 703, 5612
Au-Fliegner, M. 2989
Audonnet, J. C. 86
Audus, K. L. 1863
Auer, C. A. 5978
Auerbach, A. 1194, 2072
Auffray, C. 3047, 4138, 5253
Aufsatz, W. 5522
Auger, J. 6010
Augustine, K. 2385
Aukerman, M. J. 3486
Auling, G. 1645
Aurich, C. 1513, 4848, 5961
Auron, P. E. 5574
Auroux, M. 2662
Austin, D. F. 4174
Austin, H. A. 4493
Austin, M. E. 1970
Austin, S. 3867, 3869
Australia, Australian Society for Biochemistry and Molecular Biology 1634
Ausubel, F. M. 407, 4716
Autenried, P. 5493
Auvinen, P. 5763
Auwerx, J. 1319
Averboukh, L. 800
Avery, B. 1520, 2051
Avetisov, V. A. 1121
Ávila, A. C. de 1706, 1722
Avila, C. 2347
Avila, F. 2593
Avivi, A. 1300
Avner, P. 1419
Avraham, A. 356
Avramova, Z. 272
Awata, T. 3617
Ax, R. L. 1967, 3622

Axel, R. 268
Axelos, M. 1807, 2365, 2928
Axenovich, S. A. 5328
Axtell, J. D. 2856
Ayabe, S. 1735
Aycock, M. K., Jr. 4992
Ayora-Talavera, T. 147
Ayres, N. M. 6133
Ayusawa, D. 4216
Aza-Blanc, P. 2980
Azain, M. J. 6080
Azcona-Olivera, J. I. 4777
Aziz, N. 3581
Azman, M. A. 1077
Azrolan, N. 5193
Azuma, M. 2964
Azuma, S. 977
Baack, E. 818
Baan, R. A. 3664
Baarda, G. 1365
Baats, E. 67
Baba, T. 1239, 5020, 5113, 5596, 6382
Babaeva, S. A. 161
Babczinsky, J. 3184
Babiarz, B. 5372
Babinet, C. 2293, 2808
Babst, M. 167
Babu, C. R. 1026
Babu, K. N. 3697-3698
Babu, P. C. S. 3354
Babu, R. S. 3354
Bach, F. H. 803
Bach, J. F. 3506
Bachmann, M. 697
Bachurski, C. J. 2313
Bachvarova, R. F. 1306, 1311, 1317
Bacic, A. 4320
Back, E. 331
Backer, A. J. 1924
Backhaus, R. A. 4822
Backlund, A. 6509
Backus, C. 6207
Backus, G. B. C. 2696
Bacon, L. D. 1783
Badaev, N. 5266
Badalian, T. M. 682
Baden, C. 3900
Badger, M. R. 3563
Badji, S. 986
Baek, B. K. 1504, 2827
Baek, J. M. 203
Baek, K. H. 39
Baenziger, P. S. 6686-6687
Båga, M. 2785
Bagarinao, T. U. 4881
Baggott, L. A. 2888
Bagshaw, J. 63
Bahary, N. 1390
Bahia, M. T. 1469
Bahk, J. D. 6256
Bahk, Y. Y. 4511
Bahl, A. 1609, 1640
Bahl, H. 1645
Bähler, M. 5603
Bahri-Darwich, I. 3620
Bai, L. 3307
Bai, Y. Y. 88, 108, 3864-3865
Baier, L. J. 5715
Baig, M. A. 4444
Baile, C. A. 1601, 2686
Bailey, D. M. D. 1452
Bailey, E. 1230, 2520
Bailey, F. J. 1187
Bailey, J. P. 1875
Bailey, M. A. 3172
Bailey, M. C. 6236
Bailey-Serres, J. 5636
Baillie, A. M. R. 1539
Bailly, M. 5134
Baima, S. 281
Bain, P. A. 3940
Bains, W. 748, 2736, 2749
Bair, S. R. 3924
Baird, E. 4959
Baird, W. V. 2484, 2540
Bajaj, Y. P. S. 3289
Bajardi, A. 175
Bajrović, K. 2614
Baker, A. 3562
Baker, B. 1981
Baker, B. S. 4247
Baker, C. M. 2114, 3173, 5383
Baker, D. B. 448
Baker, J. 5716
Baker, K. C. 1827
Baker, L. 656
Baker, N. 6116
Baker, R. J. 6218
Baker, S. J. 45
Baker, S. S. 5092
Bakhuizen, R. 4775
Baki, A. A. 471
Bakker, E. P. H. M. de 301, 1676
Bakker, R. H. G. 1472-1473
Bakkeren, G. 1161
Bakry, F. 3082, 3632
Bala, G. 1388
Bala, S. 1388
Balakrishnan, M. 1068
Balashova, N. N. 6191
Balázs, E. 4845
Balbo, I. 93
Balcells, L. 5196, 6558
Balcells, L. I. 4198
Baldassarre, H. 4305
Baldi, A. 5434
Balding, D. J. 5956
Baldini, A. 357
Baldursson, S. 1562, 1583, 4875
Baldwin, B. G. 1240, 2378
Baldwin, C. 5947
Baldwin, G. S. 2884
Baldwin, M. 4978
Baldwin, R. L. 1600
Baldwin, S. 2859
Baldwin, T. C. 2615
Balent, M. A. 533
Balestrazzi, A. 3853
Bali, A. 204
Baligar, V. C. 163
Balint-Kurti, P. 3901
Balint-Kurti, P. J. 388
Ball, B. 530
Ball, D. E. 2413
Ball, J. L. 2689
Ball, R. O. 1605, 3257
Ballantyne, C. M. 1752
Ballard, R. 2540, 4730
Baller, L. M. 1436
Ballermann, B. J. 5154
Ballica, R. 1730
Balling, R. 1949
Ballinger, E. W. 4143
Ballvora, A. 1673
Balnave, D. 3778
Balogh, R. 5733
Baltazar, B. M. 4173
Baltimore, D. 1859, 4932
Balzarini, J. 1249
Balzer, H. J. 6559
Bammler, T. K. 2885
Bancroft, C. 5723
Bancroft, I. 1323, 4198
Band, M. 356, 1415
Bandi, C. 4702
Bandman, E. B. 3080
Banerjee, S. 1685, 6156
Baneyx, F. 1644
Bañez, E. I. 2236
Banfield, D. K. 241, 4500
Banga, S. S. 5285
Banks, P. M. 2638
Bannai, S. 5734
Bannerot, H. 535, 5928, 6701
Bannick, C. G. 2699
Bannikova, V. P. 6008
Banta, L. M. 1106
Banthorpe, D. V. 4444
Bantignies, B. 2109, 5988
Bao, S. 4934
Bao, X. M. 398
Bar-Zvi, D. 223
Bara, J. M. 4888
Barabanova, E. A. 6008
Barak, Y. 842
Barak, Z. 172, 537
Barakate, A. 720, 1884
Barale, J. C. 68
Baralle, F. E. 1314
Bárándi, Z. 455
Baranton, G. 2036, 2823, 3885
Barash, I. 4962-4963
Barbacid, M. 255
Barbakar', N. I. 17
Barbara, D. J. 2244
Barbe, G. J. 2131
Barbee, R. W. 11
Barber, C. E. 1165
Barbet, A. F. 1389
Barbier-Brygoo, H. 6137
Barbis, D. P. 6224
Barboni, B. 6046
Barbosa, M. H. P. 3174
Barbotin, J. N. 4453
Barceló, D. 449
Barceló, P. 4388
Barciszewska, M. Z. 6354
Barciszewski, J. 6354
Barda, D. 5158
Barden, N. 4969
Bardet, C. 1807, 2928
Bardin, C. W. 2384
Bardonnet, N. 4980
Barendse, W. 2516-2519, 3073, 4132, 4684, 4690, 5248, 6451, 6500
Barghchi, M. 1020, 3848
Barhanin, J. 2883
Baribault, H. 611
Baril, G. 2048
Barilà, D. 5071
Barillas, C. 4057
Bariola, P. A. 2963
Barkan, A. 6355
Barker, C. 1763
Barker, D. G. 1922, 6393
Barker, G. C. 77
Barker, H. 2833
Barker, J. E. 372, 919
Barker, J. H. A. 4421
Barker, R. N. 2572
Barker, S. J. 5532
Barker, T. D. 1955
Barlow, E. W. R. 541
Barlow, K. 5
Barlow, P. W. 1017
Barloy, D. 519, 1063
Barman, A. C. 475
Barna, K. S. 6614
Barnabás, B. 3215, 3757
Barnard, P. J. 360
Bárándi, Z. 903
Barnes, D. K. 6647, 6761
Barnes, F. L. 1514
Barnes, W. 4199
Barnes, W. M. 1675
Barnstein, A. M. 709
Baron, A. 4409
Baron, M. A. 638
Baroncelli, S. 2788
Barouki, R. 249
Barr, S. C. 4223
Barratt, D. H. P. 1254, 3481
Barrett, A. D. T. 3887
Barrett, J. C. 5256
Barrett, J. W. 4529
Barrett, K. J. 89
Barrett, S. C. H. 1795
Barrios, R. 2236, 4407
Barros, C. 6050
Barros, E. G. de 6246
Barros, I. de 3174
Barroso, G. 1324
Barry, C. P. 2316
Barry, E. L. R. 2756
Barry, T. P. 5420
Barsby, T. 3776
Barsh, G. S. 3607, 6348
Bartels, D. 337, 4634, 4901, 6710
Barth, J. L. 3425
Barth, S. 1540
Barth, T. 6062
Barthakur, N. N. 5975
Barthel, F. 3100
Barthelemy, I. 3012
Barthels, D. 2859
Bartholomew, D. M. 3268
Barthou, H. 3183
Bartke, A. 1689, 3780, 4973
Bartles, J. R. 687
Bartlett, S. G. 6277
Bartley, A. L. 1136
Bartley, D. M. 4379
Bartley, G. E. 4564, 5688-5689
Bartling, D. 721, 1241, 6356
Bartnicki, D. E. 3806
Bartolomei, M. S. 5717
Barton, G. J. 2972
Barton, M. C. 5718
Barton, S. 1278
Barton, S. C. 2419
Barton, S. L. 1279, 4556
Bartsch, D. 1619
Bartsch, H. 697
Bartsch, U. 781
Bartsh, S. 6082
Barua, U. M. 3629, 4154
Baruch, A. 4962-4963
Barve, D. M. 4810
Barz, W. 297, 2967, 4022
Basbaum, C. 2339, 5079
Baserga, R. 2312, 5181
Baset, A. 1541
Bashirzadeh, R. 4057
Bass, J. J. 3769
Bassam, B. J. 2541, 6560
Bassi, G. 1668
Bassi, P. 5197
Basten, A. 3339
Bastien, C. 4270-4271
Basu, P. 3273
Baszczynski, C. L. 5198
Bates, K. J. 5907, 5979
Bates, M. R. 379
Bates, P. 2317
Batlle, A. 436
Batmaz, H. 1475
Batschauer, A. 722, 2778, 4642, 5116
Batt, C. A. 6452
Batt, P. A. 1069, 4236
Battey, J. 367
Battini, R. 4578
Battistacci, L. 1493
Batts, W. N. 1470
Batut, J. 171
Batygina, T. B. 4285
Batzer, M. A. 4386
Bau, H. J. 1728
Baucher, M. 3841
Baud, S. 4877
Baudoin, J. P. 3647
Bauer, M. 3861
Bauer, P. 6357
Bauer, S. 4530
Bauer, U. 5549
Baulcombe, D. 118
Baulcombe, D. C. 110, 3889-3890
Baum, D. A. 6247
Baumal, R. 5089
Bauman, D. E. 1606, 1954, 5433
Baumann, B. 2892
Baumann, H. 3922
Baumert, A. 3727
Baumgärtner, B. 3582
Bäumlein, H. 1256, 1896, 5647, 6559
Bauw, G. 6403
Bauwe, H. 5659-5660
Bauwens, S. 5937
Bavaresco, L. 2174
Bavister, B. D. 4797
Baxter, J. D. 5159
Baxter, J. S. 533
Baxter, S. I. F. 411
Bay, S. 4736
Baylis, H. A. 4222
Baylis, S. A. 52, 84
Baytok, E. 1077
Bazan, J. F. 2324, 5043
Bazan, N. G. 6337
Bazer, F. W. 4333
Beacham, T. D. 1420
Beachy, R. 3278, 4911
Beachy, R. N. 90, 124, 1717, 2834, 3552, 4626, 5793
Beagley, C. T. 5705
Beal, M. F. 4927

Beal, W. E. 6669
Beale, D. 648
Beals, T. P. 1890
Beamer, W. G. 4127
Bean, S. 3852
Bear, S. E. 1763
Beard, C. 1856
Beard, C. B. 1201
Beato, M. 2417
Beator, J. 1876
Beatson, N. S. 3160
Beattie, C. W. 4119, 6491, 6504
Beattie, K. L. 4744
Beauchemin, M. 3504
Beauchemin, N. 3440
Beaudet, A. L. 1752, 5479, 6164
Beaudet, L. 5492
Beaudry, P. 902
Beaulieu, N. 4553
Beaumont, K. 632
Beaumont, V. H. 623
Beavis, W. 5891
Beavis, W. D. 380, 4173, 5873, 6511
Bebeli, P. J. 625
Becana, M. 5112
Beccari, T. 637
Becerra-Martell, C. 4772
Becerra Velásquez, V. L. 5267
Bech, K. 424
Becher, A. 5980
Béchet, D. 4675
Becht, H. 80
Bechtold, N. 4941
Beck, A. 1803
Beck, C. I. 3340
Beck, M. 1282
Beckenbach, A. T. 1392
Becker, B. A. 1601
Becker, D. 346, 2772, 4388
Becker, J. M. 6202
Becker, P. B. 950
Becker, T. W. 4070
Becker, U. 4660
Becker, W. 273
Becker, W. M. 2429
Beckers, J. F. 2046, 4853
Beckert, M. 519, 521, 1063, 4877
Beckmann, J. S. 1952
Beckmann, M. P. 2330
Béclin, C. 4942
Beconi, M. T. 2118
Beddington, R. S. P. 264
Bedford, B. 6725
Bedford, M. R. 3778
Bedinger, P. A. 3469
Bednarek, S. Y. 5093
Bedő, Z. 515, 3757
Beebe, D. C. 2403
Beech, R. N. 4529
Beechey, C. 6453
Beechey, C. V. 2493, 6454
Beeching, J. R. 5268
Beeckman, T. 6561
Beede, R. H. 2592
Beegen, H. 4933
Beek, S. van der 5246
Beek, T. A. van 6112
Beerhues, L. 3467, 3904
Beermann, D. H. 4339
Beermann, F. 4971, 6210
Beetham, J. K. 6279, 6313
Beever, J. E. 5859
Beffa, R. 2848, 3040
Begbie, R. 5071
Beggs, J. D. 4118
Beggs, K. 5208
Bégu, D. 872, 5769
Beh, K. J. 881, 2248, 3587, 4120, 4517
Behalová, E. 1577
Behboodi, E. 962, 3676
Behle, R. W. 1477
Behnam, J. 6159
Behr, J. P. 3100, 4929
Behrend E. I. 636
Behrens, U. 2453
Behringer, R. R. 2981, 5190
Beiderbeck, R. 4277
Beier, D. R. 2494, 4141, 5867
Beier, F. 5318
Beier, H. 5700
Beijersbergen, A. 1105
Beintema, J. J. 6013
Beir, D. R. 3614
Beischlag, T. V. 2383
Beitz, D. C. 3452
Bejarano, E. R. 3355
Bekkaoui, F. 3018
Belaizi, M. 3739
Belajouza, M. 5275
Belanger, F. 3341
Belanger, F. C. 3487
Bélanger, L. 3504
Bélanger, R. R. 2085
Belayew, A. 2979
Belenkii, A. 3113, 3126
Belfaiza, J. 2823
Belfrage, P. 5613
Belhassen, E. 1971
Belin, D. 509, 2892
Belinky, P. A. 6203
Belknap, W. R. 3478, 6168, 6313
Bell, A. C. S. 1535
Bell, A. W. 5433
Bell, D. R. 760
Bell, E. 3468
Bell, G. I. 41, 197, 644
Bell, J. I. 5607
Bell, K. 6456-6457
Bell, L. A. 6236
Bell, L. M. 2616
Bell, M. H. 1325
Bell, M. V. 5607
Bellachioma, G. 637
Bellacosa, A. 916
Bellamy, C. 2827
Bellato, C. 2655
Belleli, D. 777
Bellemare, G. 3471, 5198, 6304
Bellenger, E. 2823
Bellinger, D. A. 2765
Bellitti, E. 1072
Belloc, F. 4212
Belmont, J. W. 2291, 5479
Belostotsky, D. A. 274
Belousov, A. A. 6001
Belousov, J. S. 685
Belthoff, L. E. 2540
Beltrán, J. P. 1915
Belyanskaya, S. L. 540
Belzile, F. 6377
Bem, A. R. de 963, 4783
Ben-Hayyim, G. 2784
Ben-Nun, A. 1858
Ben-Yosef, D. 1578
Benatti, G. 1070
Benatti, L. 3012
Benavides, M. P. 3699
Benbow, R. M. 4602
Bendahmane, A. 4159
Bendich, A. J. 845, 5874
Bendig, M. M. 2881
Benedict, C. R. 1342
Benedict, M. Q. 1202
Benediktsdottir, E. 2578
Benediktsson, I. 4599
Benetka, V. 4949
Benfey, T. J. 5426
Benhamou, N. 91, 1326, 6175
Benito, M. 2310
Benito, M. I. 6368
Benjamin, B. D. 3386
Benjamin, G. N. 4926
Benkel, B. 2577
Benkel, B. F. 2573, 3583
Benko, G. 421
Bennejean, G. 2038
Bennett, A. B. 726, 2451, 5795
Bennett, D. J. 1091
Bennett, G. A. 2595
Bennett, J. 3909
Bennett, J. L. 1148
Bennett, M. D. 1875
Bennett, M. K. 5567
Bennett, M. M. 638
Bennett, S. T. 1875
Bennetto, H. P. 6083
Bennetzen, J. L. 272, 3013, 3626, 4191, 5629, 5922
Benoist, C. 2227
Bensaadi, N. 1200
Bensen, R. 5094
Benson, A. A. 5060
Benson, D. 749
Benson, E. E. 6638
Bent, A. F. 113, 1983
Bentley, S. 6560
Bentur, J. S. 3909
Bentzen, P. 639, 880
Benvenuto, E. 2853
Benzie, J. A. H. 6124
Benzine-Tizroutine, S. 3928
Beppu, T. 2713
Ber, R. 640
Beranger-Novat, N. 3176
Berardi, G. 2076
Berberich, S. 4029
Berberich, S. A. 3806-3807
Berdal, A. 761
Berencsi, K. 4937
Bereswill, S. 2591
Berg, P. 5021
Berg, R. H. 404
Berger, H., Jr. 1791
Berger, K. T. 4684
Berger, M. 4939
Bergeron, D. 5198
Bergeron, J. M. 826
Bergervoet, J. E. M. 6371
Bergervoet, M. 1290
Berget, S. M. 1457
Berghe, H. van den 3965
Berglund, T. 146, 1190
Bergman, P. 2210
Bergman, Y. 4047
Bergmann, A. 3608
Bergmann, C. 97
Bergmann, C. W. 6175
Bergtrom, G. 241
Berka, J. 3126
Berkel, J. van 5446
Berkelman, T. 5095, 5652
Berkowitz, D. 5454
Berkowitz, D. B. 3274, 4362
Berkowitz, E. A. 242
Berkowitz, G. A. 1340
Berland, M. 4850
Berlin, J. 1192, 4445
Berlyn, M. 5873
Bermingham, E. 4128
Bernal, M. P. 2700
Bernard, J. 1470
Bernard, L. 5771
Bernard, M. 2139, 5293
Bernard, N. 1858
Bernard, R. S. 1528
Bernard, S. 1754, 2139, 5293
Bernardi, G. 6737
Bernardini, S. 2979
Bernasconi, S. 4294
Bernatchez, L. 2507
Bernatzky, R. 1428
Berndt, W. A. 5845
Bernfield, M. 669
Bernhard, R. 6761
Bernhard, W. R. 6358
Bernhardt, J. 746
Bernier, D. 3504
Bernier, G. 1877
Bernier, L. 100
Bernier-Vadnais, N. 4629
Bernot, A. 3047, 5253
Berns, A. 5742
Berns, A. J. M. 1748
Berns, M. W. 1050
Bernstein, F. 80
Bernstein, K. E. 2889, 5733
Berrini, A. 4763
Berry, C. 3769
Berry, J. O. 1381
Berry, M. 5060
Berry, S. 27
Berryere, T. G. 6495
Bersuder, D. 4021
Bertauche, N. 5671
Bertaud, M. 3594, 4674
Bertazza, G. 1012
Berthold, E. 1483
Berthold, W. 5459
Berthomieu, P. 1807, 4942
Bertino, B. 2666
Bertling, W. 3448
Bertling, W. M. 5318
Berton, G. 1314
Berton, M. T. 1868
Bertoni, G. 261
Bertoni, G. P. 2429
Bertram, R. B. 1972
Bertrand, A. 1054
Bertrand, R. 2340
Bertsch, U. 4531
Besenfelder, U. 3677, 4964
Besmer, P. 1306, 1311, 2666
Bespalova I. N. 1933
Bess, V. H. 4822
Bessay, M. 145
Besse, P. 4155, 5875
Bessis, R. 2089
Bestor, T. H. 5136
Betancourt, M. 3227, 6667
Bethune, T. D. 6620
Bettini, P. 4186, 4612, 4990
Betuel, H. 3593
Beuning, L. L. 723, 5624
Beus, M. de 4357
Beutler, B. 2209, 5568
Bevan, M. 3035, 3543, 5208
Bevan, M. W. 295, 4086, 4160, 6378
Bevers, M. M. 4853, 5413, 6069
Beversdorf, W. D. 5482, 6761
Bevilacqua, A. 762
Bevis, E. E. 4960
Bewley, J. D. 738, 948
Beyer, R. S. 809
Beynon, J. L. 6197
Beyou, A. 202
Bézard, J. 3678
Bezborodova, S. I. 2156
Bezzubova, O. 641
Bezzubova, O. Y. 5022
Bhalla, J. K. 1542
Bhan, A. K. 1745
Bhargava, S. C. 1685
Bhasin, S. 811-812
Bhaskar, B. V. 1068
Bhaskar, J. 3715
Bhat, P. N. 1417, 3604
Bhat, P. P. 1417, 3604
Bhat, S. P. 5938
Bhatia, C. R. 3839
Bhatia, N. 812
Bhatia, S. 1830, 2770, 4565, 5285
Bhatia, S. K. 4247
Bhatnagar, R. K. 4647
Bhatnagar, S. P. 5391
Bhatt, A. 4198
Bhattacharya, S. 1203
Bhattacharyya, A. 4907
Bhattacharyya, M. K. 1332
Bhatti, A. R. 5012
Bhavani, N. L. 1542
Bhojwani, S. S. 3169, 5391, 6651
Bhowmik, T. 1120
Bianchetti, R. 2082
Bianchi, A. B. 5044
Bianchi, M. W. 2929
Bianchi, R. 2049
Biase, S. di 2559
Biasini, M. G. 2788
Biber, J. 258
Bichell, D. P. 5755
Bichler, J. 2463
Bicka, L. 1488
Bickel, L. 936
Bickerstaffe, R. 1414
Bickham, J. W. 3119
Bickle, H. M. 1186
Biddington, N. L. 2668
Bidney, D. 1683
Biel, M. 1204, 5023
Bielanski, A. 1141
Bieman, M. den 4142
Biemesderfer, D. 1221
Bieniarz, M. C. 899
Bieniek, M. 575, 1549

Bienzle, D. 2215
Bierke, P. 5513
Biesboer, D. D. 6647
Biesecker, L. G. 642
Biggers, J. D. 5361
Bigi, D. 1425, 4661, 4667
Bignon, C. 5034
Bigot, C. 992, 5989
Bijman, W. J. 2726, 5514
Bilang, J. 5981
Bilang, R. 568, 4947, 6147
Bilezikjian, L. M. 1782
Billington, N. 2495
Billoud, B. 3594
Billy, F. de 6393
Bilsen, M. van 5621
Biltueva, L. 892
Binarová, P. 4876
Bindahmane, A. 1164
Bindels, P. 6035
Binder, S. 2348, 5772
Binding, H. 2799
Bindon, B. M. 3248
Binelli, G. 2549, 5523, 5914, 6512
Binet, M. N. 2930
Bingham, E. T. 5897
Bingle, C. D. 3505
Binns, A. N. 1106, 6134
Binns, M. 6482
Binns, M. M. 895, 2511
Biofutur 6108-6109
Birch, R. G. 1374, 1669, 3310
Birchler, J. A. 2346
Birchmeier, C. 4592
Bird, A. 2555, 5565
Bird, A. P. 833, 3106, 6565
Bird, C. H. 3971
Bird, C. R. 5646, 6372
Bird, D. M. 6248
Bird, D. M. K. 3122
Bird, J. W. C. 2985
Bird, P. 563, 3971
Bird, S. 5625
Birk, D. E. 680
Birkenmaier, S. 5323
Birkenmeier, C. S. 1406
Birkenmeier, E. H. 1155, 1391
Birnbaum, D. 5043
Birnbaumer, L. 3405
Birnstiel, M. L. 4939, 4956, 6128
Birse, C. E. 2824
Birt, T. P. 2908
Bischoff, J. 2921
Bisgrove, S. R. 1983
Bishop, C. E. 4664
Bishop, G. J. 3901, 4191
Bishop, J. 2933
Bishop, J. M. 587, 3417
Bishop, M. C. 2802
Bishop, M. D. 4119
Bishop, R. P. 4222, 6173
Bishop, T. R. 5574
Bísková, R. 4949
Bisoffi, S. 3853, 4702
Bisping, W. 2585
Bisseling, T. 205, 560, 629-630, 730, 2362
Bister, K. 1234
Bister-Miel, F. 4481
Biswas, G. C. G. 2773, 6615
Bittini, P. 4990
Bittisnich, D. J. 3224
Bixby, J. L. 2404
Bizley, R. E. 5451
Bizzarri, M. 2547
Björklund, S. 2318
Bjørnstad, Å. 6688
Bjourson, A. J. 5018
Black, J. 6595
Black, L. D. 5930
Black, R. C. 6134
Blackwell, M. 1293
Blader, P. 266, 4218
Blaich, R. 1975
Blair, D. 5876, 5891
Blair, T. A. 6223
Blake, N. K. 4190
Blake, T. 3636, 4172
Blake, T. K. 4190
Blakeley, S. D. 2360, 6249, 6259-6260
Blakesley, D. 3014
Blakewood, E. G. 2129
Blanchard, M. M. 3101
Blanco, D. R. 2826
Blanco, G. 204
Blando, F. 2617
Blank, C. de 205
Blankenship, K. M. 1330
Blankert, H. J. 3595
Blánquez, M. J. 5425
Blaqière, M. 3504
Blattman, A. N. 881, 4120
Blechl, A. E. 1118, 1330
Bleck, G. T. 643
Bleecker, A. B. 725
Blehová, A. 1543
Blendy, J. A. 6210
Blessing, M. 580, 597
Bleumink-Pluym, N. M. C. 1471
Blevins, G. T., Jr. 196
Bliek, S. M. 5900
Blinov, A. G. 1205
Bliss, D. P., Jr. 1221
Bliss, F. A. 2200
Blobel, G. 827
Block, A. 22
Block, M. de 3849, 4335, 6403
Blöcker, H. 4737
Blom, T. J. M. 1741
Blondel, O. 644
Blottner, S. 453, 2147, 4862
Bluestone, J. A. 2294
Bluethmann, H. 2869, 3922
Blum, P. 2381
Blumberg, H. 6236
Blumenberg, M. 5194
Blumenthal, C. S. 541
Blumenthal, T. 98
Blundell, T. 1091
Blunden, R. 1973
Bo, G. A. 2150
Bobadilla, M. 2204
Bobák, M. 1543
Bobkova, A. F. 4440
Boccara, M. 4640
Boccard, F. 118, 3890
Boccon-Gibod, J. 2639
Bock, H. 5096
Bock, M. E. 691
Bockaert, J. 3532
Bockholt, A. J. 5286
Bodanese-Zanettini, M. H. 3175, 3179
Bode, J. 6138
Bode, L. 1491
Boediono, A. 975, 3228, 5378
Boehm, T. 1235, 6576
Boehmer, H. von 4409
Boel, E. 6225
Boer, B. G. W. den 1914
Boer, G. J. de 1350
Boer, H. A. de 6679
Boer, P. A. J. de 3118
Boerjan, M. L. 6343
Boerma, H. R. 3172
Boersig, M. R. 6170
Boersma, C. 1503
Bogachev, S. S. 685, 1205
Bogani, P. 4186, 4990
Bogdanovic, S. 3794
Bogorad, L. 4092, 5237
Bögre, L. 3571, 6301
Bogue, M. A. 5834
Boguski, M. S. 6125, 6335
Bohanec, B. 3758
Bohl, D. 3352
Bohlmann, H. 131
Böhm, M. 1974
Bohnert, H. J. 2719, 2935
Böhni, R. 4040
Boileau, G. 5619
Boisclair, Y. R. 5433
Boissonneault, G. 5719
Boistard, P. 171
Boivin, R. 5198
Bojsen, K. 5529
Bol, J. F. 2835, 3891, 4549
Boland, M. P. 529, 1590, 2058, 3159, 4878, 4880, 6063
Boland, N. I. 4404
Bolander, M. E. 953
Bolas-Fernandez, F. 2574
Boldt, D. H. 2978
Bolle, C. E. H. 4623
Bolle, M. F. C. de 92
Boller, T. 1899, 2464, 2836
Bollich, C. N. 4699
Bollini, R. 2467, 4469
Bollon, H. 1555, 5439
Bolt, D. J. 2676, 5510
Bolyard, M. G. 127, 354, 1675, 2793
Bommineni, V. R. 562, 2774
Bonadio, J. 2229, 2389
Bonami, J. R. 71
Bonas, U. 93, 425
Boncinelli, E. 823
Bond, C. T. 4030, 6223
Bond, J. E. 1107, 1640
Bond, J. S. 364, 5575
Bondioli, K. R. 1596
Bondoc, O. L. 2597-2598
Bondt, A. de 6135
BonDurant, R. H. 2059, 3683, 6592
Bondy, K. L. 1453
Bonen, L. 5625, 5774, 6071
Bones, A. 1286
Bones, A. M. 2430, 2933, 4600
Bonga, J. M. 4807
Bongard-Pierce, D. 5877
Bongers, A. B. J. 6059
Bongiovanni, M. 3356
Bonhomme, F. 2894
Bonhomme, S. 6072
Bonierbale, M. W. 4981
Bönig, I. 2679
Bonilla, E. 6667
Bonin, A. L. 3844
Bonman, J. M. 1162, 4193
Bonnard, G. 210
Bonneau, L. 3176
Bonneau, M. 536, 3777
Bonventre, J. V. 3461
Booij, I. 4811
Boom, H. van der 38
Boom, J. D. G. 1392
Boot, K. J. M. 275
Boot, R. 1472-1473
Boot-Handford, R. P. 3958
Booth, J. R., Jr. 1293
Booth, R., Jr. 6272
Boppenmaier, J. 2548
Borela Espechit, C. J. 5421, 5427
Borello, U. 846
Borenstein, N. 1937
Borges, M. 651
Borgese, F. 6205
Borgmann, K. 6359
Borisjuk, L. 5269
Borisjuk, N. 5269
Borja, A. Z. M. 1301
Borja, R. 3264
Borkhardt, B. 48
Bormotov, V. E. 4322
Borne, F. D. de 5775
Börner, T. 302, 3021, 5773, 6552
Bornman, C. H. 1544
Bornman, J. F. 2875
Boron, W. F. 5038
Borozenko, I. V. 29
Borrás, T. 3943
Borrelli, E. 5064
Borriello, F. 3400
Borrod, G. 3917
Borromeo, E. S. 1162
Borromeo, V. 4763
Borsook, D. 4405
Borsotto, M. 6228
Borst, P. 1748
Bortolussi, M. 2979, 6229
Borycki, A. G. 4501
Bos, T. vanden 2330
Bosch, D. 5544
Bosch, F. 2240
Bosch, J. F. van den 65
Boschert, U. 2909
Boscia, D. 4986
Bosemark, N. O. 1642, 6761
Bosland, M. 4999
Bosma, A. A. 1409
Bosque-Pérez, N. A. 2590
Bosse, E. 5023
Bossé, J. T. 65, 1474
Bostock, R. M. 6364
Bostwick, D. E. 206
Boswell, H. D. 4488
Boswell, J. M. 3322
Bősze, Z. 3584
Botella, J. 6431
Botella, J. R. 5097
Botella, M. A. 2931, 5626
Botempi, E. J. 53
Both, G. W. 4058
Bothwell, A. L. M. 4058
Bott, T. L. 2727
Botta, R. 1056
Bottaro, A. 621
Böttcher, F. 3700
Böttcher, M. 2147
Botterman, J. 4357
Bottino, P. J. 1253
Botton, D. 5157
Bottrell, D. G. 1658
Bou, S. G. 3229
Boubelík, M. 4234
Bouchard, R. A. 271, 316, 2431, 5640, 5776, 6097
Bouchez, D. 286, 4943
Boudet, A. M. 4538, 6302
Boudry, P. 3797
Bougerfaoui, M. 3701
Bouharmont, J. 6680
Bouillaud, F. 243
Boulain, J. C. 4765
Boulay, J. L. 5138
Boulay, M. 2876
Boulay, V. 5593
Boulding, E. G. 1392
Boulter, D. 3501, 4536
Boulton, M. I. 1108
Bouniol, C. 645, 893, 1206
Bounneau, C. 902
Bouquet, A. 1708, 2111
Bouquet, M. 2662
Bouquet, Y. 1396
Bourg, G. 2250
Bourgeois, P. le 5560
Bourne, F. J. 5351
Bournival, B. 4700
Bourquin, J. C. 3627
Bourson, J. 4212
Boursot, P. 3443
Bousquet, J. 1800, 5683
Boussadia, O. 763
Bout, A. 2757
Boutin, S. 6513
Boutin, S. R. 3895
Boutorine, A. S. 4212
Boutry, M. 4006, 4605
Bouvier, F. 5627
Bouvier-Durand, M. 5115
Bouza, L. 458, 5982-5983
Bouzayen, M. 4776
Bova, R. 2566
Bové, J. M. 133
Bovenhuis, H. 6455
Bowden, G. 6631
Bowden, L. 263
Bowden, R. A. 1476
Bowen, B. 343, 5800
Bowen, B. A. 2437
Bower, R. 1374
Bowers, J. E. 3080
Bowler, C. 3788, 4357, 5777
Bowley, S. 4946
Bowley, S. R. 4357
Bowling, A. T. 936
Bowman, C. M. 4183
Bowman, L. A. 142
Bowra, S. 6311
Bowsher, C. G. 331
Bowtell, D. D. L. 2890
Boxus, P. 1382
Boyd, A. L. 2801
Boyd, C. 1172
Boyd, L. A. 3892, 6176

Boyd, Y. 357, 1940
Boyer, B. 1855
Boyer, B. B. 3333
Boyer, C. 3702
Boyer, C. D. 729, 6170
Boyer, N. 290, 1801, 2446
Boyer, S. K. 2466
Boylan, J. F. 2287
Boylan, M. 4601
Boyle, A. 6165
Boyle, A. L. 1129
Boyle, T. P. 2233
Braack, L. E. O. 3138
Brabet, P. 3405
Bracey, M. H. 6277
Brackett, B. G. 6670
Bradeley, A. 3405
Bradfield, J. Y. 1215
Bradley, A. 152, 1752, 2247, 2863, 3927, 6164
Bradley, D. 2933, 2955
Bradley, D. G. 4662
Bradley, J. A. 6042
Bradley, J. M. 3547
Bradley, M. S. 5028
Bradley, N. W. 4893
Bradshaw, J. E. 6514, 6743
Brady, C. J. 6284
Brady, E. M. G. 632
Brady, G. 5720
Brady, J. P. 646
Brady, K. P. 94
Braem, K. A. 1766
Braga, D. P. V. 4189
Bragin, A. 2655
Brambilla, G. F. 4763
Bramel-Cox, P. 5303
Bramley, P. M. 6372
Bramley, T. A. 2675
Brammar, W. J. 3578
Branca, A. 6693
Branchard, M. 991, 3221
Branchereau, S. 2758
Branciforte, D. 4031
Brand, M. H. 3703
Brandeis, M. 764, 2982, 2994
Branden, J. van den 5376
Brandenburg, E. 6552
Brandle, J. E. 138, 1620, 3916
Brändle, R. 6361
Brandon, M. R. 656
Brandstädter, J. 5199
Brandt, A. S. 2486, 3496
Brandt, J. 4002
Brandt, K. 2643
Brandt, P. 724, 5851
Brangeon, J. 1887
Branlard, G. 5293
Brannan, C. I. 3435, 4149
Branton, P. E. 1225
Brar, D. S. 1658, 2157, 3899, 5284
Brar, G. S. 6199
Bras, M. 2601
Brasel, K. 2330
Brasier, C. M. 379
Brattig, T. 6386
Brault, V. 2837
Braun, H. P. 5634, 6016
Braun, J. 2119, 6596
Braun, T. 5004
Bray, C. M. 543
Bray, E. A. 1345, 4351, 6437
Breakfield, X. O. 4927
Brears, T. 3544
Bredbacka, K. 5359
Bredbacka, P. 5359
Breder, C. D. 197
Brederode, F. T. 3891
Breen, M. 6456-6457
Brégeon, M. 2271
Breitenberger, C. A. 5701
Breitman, M. L. 3408, 3420, 5737
Brem, G. 358, 1744, 2065, 3677, 4964, 5474
Bremel, R. D. 643, 4975, 6158
Bremer, B. 1824
Bremer, K. 6509
Bremmer, I. M. 6059
Breneman, J. W. 3048
Brenin, D. R. 6598
Brening, B. 358
Brenner, B. M. 3581
Brenner, C. 6724
Brenner, M. L. 4570, 5239
Brenner, S. 5018
Brennicke, A. 724, 1283, 2348, 4622, 5096, 5772, 5794, 5815, 5825, 5842, 5851, 6114, 6381
Brent, G. A. 2871
Bresler, M. 6159
Breslow, J. L. 2226, 5137, 5193
Bressan, R. A. 1912, 2720, 2856, 3414, 3568, 5626, 5672
Breteler, H. 6112
Breton, N. 5609
Brettell, R. I. S. 4627, 5481
Brettschneider, R. 2772
Brevet, J. 296
Brevini, T. A. L. 2049
Brewin, N. J. 3422
Breyne, P. 6360
Brezinsky, L. 3600
Briand, P. 4387
Briat, J. F. 313
Bridge, P. D. 2170
Bridgen, A. 54, 411
Bridges, W. C. 3648, 6196
Briers, T. 5381
Briët, E. 1665
Briggs, M. M. 1302
Briggs, S. 4987, 5094
Briggs, S. P. 6536
Briggs, W. R. 2432, 5679
Brigman, K. K. 2288
Brigneti, G. 118, 3890
Brignon, P. 276-277
Briles, R. W. 2503
Briles, W. E. 2503, 4138, 5253
Brill, W. J. 4382
Bringans, M. J. 3160
Brink, S. 2940, 5638
Brinkhous, K. M. 2765
Brinkley, B. R. 2206
Brinkmann, H. 2367
Brinster, R. L. 1124, 2981, 3334, 5190, 5751
Briones, A. 2834
Brioso, P. S. T. 112
Briskin, M. J. 5024
Bristow, C. 84
Britton, C. H. 774
Broad, T. E. 1424, 3585, 3937
Broadbent, P. J. 1588
Broadwater, A. H. 3469
Brockmann, G. 2496, 6496
Broda, P. M. A. 2737
Broday, L. 4104
Brodelius, P. E. 5100
Broder, J. C. 4219
Brodie, S. J. 412, 1186
Broeck, J. vanden 2771
Broek, H. W. J. van den 3914
Broekaert, W. F. 92, 1373, 6135
Broer, I. 6200
Brogdon, W. G. 1703
Broglie, K. 91, 602, 3893
Broglie, R. 91, 602, 3893
Broido, S. 4071
Broker, T. R. 2022
Brom, S. 170
Brommonschenkel, S. H. 2957
Bronner, R. 4394, 5984
Bronson, R. 3920
Bronson, R. T. 3402
Brook, W. 1216
Brookes, S. 253
Brookfield, J. F. Y. 2018
Brooks, A. R. 3871
Brosch, G. 4745
Brose, E. 6197
Brosius, J. 5251
Brostoff, S. W. 2920
Brothers, G. M. 6098
Broude, N. E. 5319
Broughton, W. J. 5018, 6281
Broun, P. 1429
Brousseau, R. 2703
Brouwer, P. 167
Brown, A. B. 5621
Brown, A. H. D. 2012
Brown, C. R. 3867
Brown, D. C. W. 994, 2672, 4297, 6136
Brown, D. R. 1967
Brown, E. M. 3426
Brown, G. G. 1076, 3251, 6071
Brown, G. M. 4748
Brown, G. W. 55
Brown, I. 425
Brown, J. A. 5985
Brown, J. C. S. 5563
Brown, J. K. M. 3892, 6176
Brown, J. W. S. 2021, 6309
Brown, K. D. 5191
Brown, L. G. 3990
Brown, M. S. 633, 759
Brown, P. C. 765
Brown, P. D. 6177
Brown, P. O. 6562
Brown, R. 2859
Brown, R. W. 1591
Brown, S. 760, 3933
Brown, S. A. 6041
Brown, S. C. 2248, 2876, 4134
Brown, S. D. M. 1770, 6458
Brown, S. J. 659
Brown, T. 5568
Brown, T. J. 5521
Brown, T. P. 1489
Browne, D. L. 647
Browne, N. 1785
Brownell, E. 717
Browning, G. 493
Browning, K. S. 123, 3489
Browse, J. 1293, 3491, 6376
Bruchovsky, N. 691
Brückner, B. 1709
Bruederle, L. P. 2023
Bruening, G. 3286, 3804, 4910, 6728
Bruenn, J. A. 128
Brugere-Picoux, J. 901
Brugge, J. ter 3191
Bruggemann, E. P. 3275
Brüggemann, M. 30
Brugidou, C. 318
Brugliera, F. 1808, 2349, 2944
Bruhn, K. W. 5138
Bruijn, F. de 560
Bruijn, F. J. de 1383, 4651
Bruijn, I. de 38
Bruins, M. B. M. 2872
Bruinsma, T. 6613
Brûlet, P. 4062
Bruley-Rosset, M. 3978
Brunel, D. 3628
Brunelle, A. 309, 733, 1902
Brunelle, A. N. 278
Brunette, E. 3845
Bruni, C. B. 357
Brunke, K. J. 3370
Brunkow, M. E. 5717
Brunner, M. 530
Bruns, T. D. 429
Brusa, P. 4828
Brush, M. D. 4167
Brussel, T. van 1640
Bruyas, J. F. 1594, 3678
Bryant, J. A. 3015, 3833
Bryce, J. H. 3833
Bryngelsson, T. 6250
Brzobohaty, B. 1259
Bu, G. Z. 24
Búa, J. 53
Bubeck, D. M. 380
Bucan, M. 4589
Bucay, N. 594
Bucci, G. 6512
Bucciaglia, P. A. 5628
Buchanan, F. C. 2502, 4663
Buchanan-Wollaston, V. 6251
Buchardt, O. 404
Bucher, M. 1610, 6361
Buchheim, J. A. T. 4248
Büchting, A. J. 1654
Buchwald, M. 919
Buck, K. W. 379
Buckingham, M. 878
Bucklar, H. 4231
Buckle, V. J. 6563
Buckler, A. J. 4740
Buckley, D. J. 6136
Buckley, H. R. 2829
Buckley, K. 3559
Buckner, B. 5629, 5778
Buckrell, B. C. 6697
Buckwalter, M. S. 5858
Bud, R. 1637
Budar, F. 6072
Budde, A. D. 1177
Buddle, M. M. 6236
Buehler, F. R. 2897
Buehler, R. E. 3913
Büeler, H. 4974, 5493
Buell, C. R. 95
Buening, G. M. 2037
Bueno, M. 2433
Bueno, M. A. 1558
Buerstedde, J. M. 641, 5022
Buetow, K. 1965
Buetow, K. H. 3057
Buffard-Morel, J. 3218
Bugeon, L. 3974
Bugos, R. C. 2932, 4532
Bühler, T. A. 766
Bui, A. Q. 1932
Buiatti, M. 1710, 4186, 4990
Buick, R. N. 5720
Buising, C. M. 4602
Buitkamp, J. 1393, 2496-2497
Bujard, H. 3844, 4654
Bulfield, G. 3322
Bulk, R. W. van den 2137, 2297
Bulla, L. A., Jr. 4895
Bullock, D. W. 1398
Bulman, M. 5704
Bülter, H. 721
Bultman, S. J. 805
Bulychev, N. V. 4212
Bumstead, N. 2498, 3586, 3601, 5253
Bünger, L. 2496
Bunkers, G. 1327
Buonanno, A. 5139
Burbach, J. P. H. 2383
Burbidge, A. 3387, 4191
Burch, J. B. E. 178
Burch, J. M. 2613
Burch, L. R. 742, 4643
Burdet, C. 2806
Bureau, T. E. 5878
Burge, C. 5027
Burgeon, E. 682
Burger, H. 812
Burgess, D. L. 6165
Burgess, J. G. 5865, 6079, 6088
Burgman, J. M. 2673
Burgos, L. 3704
Burk, D. L. 3
Burkard, G. 4353, 6407
Burkart, T. 941
Burke, B. E. 4744
Burke, J. I. 1570, 5447
Burkhardt, P. K. 1677, 6615
Burkhart, L. F. 4248
Burkhead, S. K. 6236
Burkin, D. J. 1424, 3585
Burlingame, A. L. 5065
Burmeister, D. M. 871
Burmeister, M. 1933
Burn, J. E. 5270
Burnatowska-Hledin, M. 1203
Burnett, L. 6616
Burnett, R. J. 1878
Burnett-Hall, R. 3798
Burnquist, W. L. 2007
Burns, A. L. 3587
Burns, A. T. H. 6744, 6763
Burns, D. J. W. 1353
Burns, D. K. 5014
Burns, J. A. 3173, 3850, 4109
Burns, J. C. 12
Burny, A. 1382, 6230
Burr, B. 2436, 5873
Burr, F. A. 2436
Burrascano, M. 12
Burrell, M. M. 6745
Burrow, C. R. 5154
Burstein, Y. 5175
Burt, D. W. 3322

Burt, F. J. 3138
Burtin, D. 2784
Burtles, S. 1303
Burton, V. A. 3427
Burvenich, C. 4341
Busch, C. 2940
Busch, W. 929
Buschbeck, C. 6697
Büscher, N. 1975
Buse, E. L. 207
Buse, J. B. 41
Bush, D. R. 212
Bushell, G. R. 62
Bushmanov, V. I. 2608
Bushway, R. J. 428, 448
Businelli, S. 5879
Busscher, J. 6443
Busscher, M. 2427, 3574
Bustin, M. 3964
Butcher, E. C. 5024
Butcher, R. L. 5973
Butenko, R. G. 4263
Butler, A. 5025
Butler, L. G. 2856
Butler, W. J. 5410
Butler, W. M. 279
Butnaru, G. 4166
Butsko, E. V. 1122
Butte, A. J. 3651
Butters, R. 3426
Buttrick, P. M. 2208, 3306
Buyser, J. de 2139, 4088
Buzała, E. 1488
Buzard, G. S. 940, 2571
Buzovkina, I. S. 2077-2078
Byatt, J. C. 2686, 5015
Byrne, C. 2386
Byrne, D. H. 4072, 4837
Byrne, K. 4684
Byrne, N. 1081
Bywater, R. 910
Bzdega, T. 1846
Cabané, M. 1255
Cabasson, C. 6622
Caboche, M. 1807, 2368, 4943, 5219, 5485, 6389
Cabodevilla, J. 4325
Caboni, E. 5384
Cabrera, V. M. 4401
Cabrera y Poch, H. L. 847
Cabrini, G. 1314
Caccia, R. 5792
Cadd, G. G. 5190
Cadle, M. M. 4701
Cado, D. 2810
Caemmerer, S. von 1357
Caeneghem, W. van 334
Caetano-Anollés, G. 2541, 5320
Caha, C. A. 4178
Cahaner, A. 3074
Cahoon, E. B. 4603
Cai, B. 2026
Cai, D. 5065
Cai, Q. 2633
Cai, Q. H. 1758
Cairns, C. 3007
Cairns, W. 4032
Cairns. C. 4032
Calame, K. 814, 5180
Caldas, L. S. 571
Caldas, R. 1469
Calder, M. D. 2153
Calderón, A. 4951
Calderon-Urrea, A. 1882
Caldovic, L. D. 590
Calenda, A. 3506
Calfee, A. J. 1284
Calhoun, D. 2220, 2744
Cali, A. 1705
Calie, P. J. 3475
Caligari, P. D. S. 49, 4319
Calissano, P. 2566
Callahan, A. 2540
Callahan, A. M. 2350
Callen, A. 522
Callesen, H. 1520, 2051
Callow, J. A. 1180, 1968
Calothy, G. 2411
Calvert, R. J. 940
Calvi, S. L. 1070
Calvo, J. C. 5613
Calvo, M. del C. 2274
Camara, B. 5627
Câmara Machado, A. da 2846
Câmara Machado, M. L. da 2846
Cambridge, L. M. 1957
Camerini-Otero, R. D. 6569
Cameron, A. W. N. 1069
Cameron, G. N. 752
Cameron, L. 1257
Cameron, V. A. 4033
Camilleri, C. 4943
Camilli, P. de 6160
Camloha, M. 3705
Cammue, B. P. A. 92
Camous, S. 3247
Camp, S. 799
Camp, W. van 3788, 5779, 6116
Campbell, A. K. 1348
Campbell, D. 5043
Campbell, D. A. 2576
Campbell, K. 1200
Campbell, K. G. 3850
Campbell, K. H. S. 2044, 4849
Campbell, K. P. 2412, 3327
Campbell, M. T. 776
Campbell, R. M. 1602, 2683
Campeau, N. 3471
Campell, B. R. 5214
Campell, I. L. 3323
Camper, S. A. 1951, 1953, 5858
Campi, G. 753
Campion, B. 459
Campo, C. H. del 4850
Campo, M. R. del 1141, 4850
Campo, M. S. 141
Campos, L. P. 6515
Campos-Torres, J. 591
Campos Vidal, B. de 2880
Camps, F. 3397, 4812
Can, C. 6197
Canal, L. de la 6698
Cañas, L. 1915
Candia, A. F. 5026
Candresse, T. 2837
Candy, C. J. 6050
Canfield, V. A. 3608
Cangiano, G. 96
Canhos, D. L. 1655
Canhos, V. P. 1655
Canhoto, J. M. 4315
Canica, M. M. 2036
Cannell, M. E. 2347
Cannon, G. C. 299, 1895
Cano-Gauci, D. F. 5720
Canova, A. 1710
Canseco, R. S. 3324, 3693, 4243, 4883, 5967
Cantley, T. C. 4855, 5404
Cantliffe, D. J. 575, 1549
Cantone, F. A. 446
Cantor, C. R. 5319
Cao, D. S. 108
Cao, H. 1236
Cao, J. 51
Cao, M. Q. 6052
Cao, W. G. 4224
Cao, X. 2387, 5247
Cao, X. L. 88
Capanna, E. 890
Capdevila, J. H. 5589
Capecchi, M. R. 1195, 2858, 5548
Capel, B. 767, 4664
Capel, J. 280
Capellades, M. 1919
Capitant, S. A. 316, 3370
Čapková, V. 6422
Caplan, A. B. 5111
Caplen, N. J. 4384
Caplice, M. D. 6598
Capman, W. C. 932
Capon, D. J. 4493
Capone, J. P. 5747
Capone, M. 5721
Caporali, E. 459
Cappadocia, M. 2678, 4889, 6263
Cappai, P. 4849, 6693
Caprari, C. 97, 3633
Caput, D. 5080
Carabelli, M. 281
Carbajo, M. 6602
Carbonero, P. 1269-1270, 1883, 2838
Cárdenas, H. 4333
Cardi, T. 497, 987, 4400, 5491
Cardiff, R. D. 2221, 3329, 6167
Cardo, P. P. 2974
Cardon, G. H. 1242, 4995
Cardon, L. R. 5027
Cardoso, J. E. 2758
Carelse, O. 6252
Caretto, S. 2298
Caricasole, A. 768
Carison, G. A. 2832
Carl, A. 5045
Carl, T. 4143
Carland, F. M. 5532
Carles-Nurit, M. J. 2250
Çarli, K. T. 1475
Carlisle, S. 5209
Carlo, D. J. 2920
Carlson, K. M. 1595
Carlson, M. 5243
Carlson, R. W. 1640
Carlson, T. J. 1293, 6272
Carlsson, U. 386
Carlton, M. B. L. 6206
Carmeliet, P. 3920
Carmon, S. 777
Carmona, M. J. 5637
Carnaby, S. 5519
Carnaghi, L. R. 6341
Carne, A. 5054
Carne, A. F. 5155
Carnegie, P. R. 1146
Carney, J. P. 2925
Carney, S. E. 1431
Carnie, S. 3307
Carnwath, J. W. 1694
Caro, M. R. 2583
Carolan, C. 5402
Carpenter, C. D. 4604
Carpenter, J. 2229
Carpenter, M. A. 3937
Carpenter, R. 1809, 1881, 5783, 5823
Carpenter, T. B. 4567
Carpenter, W. C. 59
Carr, L. G. 256
Carraud, A. 4340
Carre, M. 4830
Carreel, F. 3082
Carrer, H. 2211
Carriere, C. 5134, 6347
Carrière, F. 6225
Carrillo, J. M. 3645
Carrillo, N. 3030
Carrington, C. M. S. 1328
Carrington, D. M. 4222
Carroll, B. 2487
Carroll, B. J. 3901, 4191
Carroll, G. C. 438
Carroll, J. 5738, 6050
Carroll, J. M. 3325
Carroll, K. L. 1260
Carroll, P. M. 4413
Carron, M. P. 486, 3709
Carron, T. R. 5200
Carruthers, T. D. 4882
Carsia, R. V. 1764
Carsience, R. S. 1691
Carson, R. L. 3240
Carstea, E. D. 3507
Carswell, G. K. 1678
Carter, B. Z. 5183
Carter, D. 2800
Carter, D. A. 3290
Carter, J. V. 1611
Carter, N. D. 4678
Carter, N. P. 1452
Carter, R. F. 2215
Caruso, M. 561
Carvalho, F. de 4073
Carville, A. 3153
Casacuberta, J. M. 1243
Casadoro, G. 1268, 5850
Casal, J. J. 6362
Casamayor, A. 3492
Casari, G. 192
Casas, A. M. 2856
Casas, E. 6667
Casas, M. T. 693
Casas-Carrillo, E. 1405
Casciano, I. 357
Casela, C. R. 4156
Casey, A. 2884
Casey, E. S. 316
Casey, R. 3545, 3828, 4069, 4352, 6253
Casey, T. A. 56
Cash, J. M. 4136
Cashmore, A. R. 2345, 2432
Caso, O. H. 3699
Caspar, T. 1349, 1369
Casper, R. 2839
Cass, D. D. 3044
Cass, L. 3493
Cassady, A. I. 2425, 2886
Cassard-Doulcier, A. 243
Cassava Biotechnology Network 6746
Casse-Delbart, F. 4074
Cassells, A. C. 3177
Casselton, L. A. 2434
Castagnaro, A. 5637
Castagnone-Sereno, P. 3356
Castañera, P. 2838
Castanos, M. T. 5420
Castellano, M. A. 4986
Caster, C. S. 1293
Castiglione, S. 1879, 4702
Castilho, A. 4169
Castillo, A. M. 3316
Castle, C. K. 2233
Castle, L. A. 2556, 3470
Castonguay, Y. 1080, 5098, 6099
Castora, F. J. 3535
Castorena-Sánchez, I. 1753
Castresana, C. 4073
Castro, T. E. 4305
Castro Acero, L. 995
Castro Silva Filho, M. de 4605
Castroviejo, M. 2428, 6400
Castrovilli, C. 5436
Casu, R. E. 57
Caswell, K. 2785
Catanzarati, L. 2311
Catanzariti, L. 2907
Catchpole, J. 2039
Cate, R. L. 3938
Cattanach, B. M. 775, 1419, 2493, 4664, 6454
Cattaneo, A. 2853
Cattaneo, D. 5434
Cattaneo, M. 2783
Cattini, P. A. 691
Cattro, A. 3714
Caudle, A. B. 6049
Causse, M. 4106
Cauvin, A. 2922
Cavalcante Alves, J. M. 5986
Cavalier-Smith, T. 4222
Cavallaro, U. 3012
Cavallini, A. 1753
Cavari, B. 5435
Cavazzoni, V. 5436
Caviani Pease, A. 5321
Cayetano-Canlas, J. 2832, 3873
Cazaux, E. 4249
Ceada, A. 1444
Cebreros, F. J. 6096
Ceccarelli, A. 3135, 3292
Ceccarelli, E. 846
Cecchini, E. 6254
Ceceña, G. 5503
Ceci, L. R. 1794, 6255
Cedar, H. 764, 2982, 2994, 4047, 6446
Celer, V., Jr. 413
Celis, L. 2984
Cella, R. 3558
Cembella, A. D. 6738
Cenis, J. L. 3671
Ceniza, M. S. 1573
Cepko, C. L. 5471
Cerana, R. 1612
Cerff, R. 2367
Ceriotti, A. 2467
Černa, Z. 4234

Cervantes, E. 5630
Cervantes, M. 6285
Cervone, F. 97, 3633, 6175
Cesario, M. M. 687
Cetiner, S. 2845
Chabouté, M. E. 5631
Chadbone, D. A. 6537
Chadchawan, S. 2933
Chader, G. 894
Chader, G. J. 3114
Chafey, P. 4387
Chaffaux, S. 5960
Chagas e Silva, J. N. 2599, 3679-3680, 3767
Chai, J. H. 385
Chai, Y. J. 437
Chaicharoen, S. 140
Chaillet, J. R. 764
Chaix, J. C. 3555
Chak, K. F. 103
Chakrabarti, D. 840
Chakraborti, A. 882
Chakraborty, R. 2743
Chakravarti, A. 6526, 6557
Chaldecott, M. A. 3014
Chalepakis, G. 2392
Challen, M. P. 2434
Chalmers, K. J. 923, 3629, 4154, 5300
Chalon, P. 5080
Chamber, M. A. 990
Chamberlain, D. A. 5481
Chamberlain, J. S. 3327
Chamberland, H. 848
Chamberlin, M. A. 5201
Chambers, G. K. 3596, 5322
Chambers, I. 4931
Chambers, J. 6725
Chambers. A. F. 636
Chambon, P. 246, 618, 1742, 2287, 4051
Chamorro, C. A. 6602
Champion, C. I. 2826
Chamusco, S. 3767
Chan, L. K. 6030
Chan, P. 4502, 5756
Chan, S. D. H. 5028
Chan, S. J. 3954
Chan, S. T. H. 4411
Chan, W. K. 4201
Chan, Y. L. 3428, 3939
Chanakya, H. N. 3265-3266
Chandel, K. P. S. 1025
Chandler, J. 1898
Chandler, S. F. 2102
Chandler, V. 5873
Chandler, V. L. 1916
Chandley, A. C. 4914
Chandra, A. 3991
Chandra, R. 6617
Chandrachud, L. M. 141
Chandramorhan, S. 5291
Chandrashekar, V. 1689
Chang, A. 4446, 4694
Chang, B. S. 2684
Chang, C. 725, 5350
Chang, C. C. 5438
Chang, C. F. 5438, 6134
Chang, C. S. 691
Chang, D. D. 2277
Chang, F. C. 5702
Chang, G. J. 3139
Chang, H. N. 3395
Chang, H. S. 103
Chang, J. C. C. 3510
Chang, L. Y. 2902
Chang, M. M. 4982
Chang, M. R. 3052
Chang, P. L. 2759
Chang, R. 3435
Chang, R. Y. 2257, 3081
Chang, S. S. 4389
Chang, S. T. 2115
Chang, T. Y. 437
Chang, X. M. 577
Chang, Y. F. 65, 1142
Chang, Y. S. 2277, 4503
Chang GwongJen 3139
Chanut, F. A. 1244
Chao, J. 801
Chao, K. M. 236
Chao, L. 801
Chao, S. 4709, 5273
Chaparro, J. X. 4157
Chapdelaine, P. 3102
Chapdelaine, S. 4969
Chapdelaine, Y. 5774
Chaplin, D. D. 3057
Chapman, H. D. 4679
Chapman, K. 4504
Chapman, K. A. 3423
Chapman, M. S. 4738
Chapman, S. 118
Chapman, S. N. 3890
Chapman, V. M. 943, 1408, 4137, 4676
Chapot, M. P. 5939
Chappel, J. 2387
Charbonneau, R. 1225
Charbonnier, L. 535
Chardon, P. 4505
Charest, P. J. 1113, 4270-4271, 4392, 4847, 6005
Charlemagne, J. 6238
Charles, J. F. 2692
Charles, P. C. 5520
Charles, T. 5530
Charleston, M. A. 4206
Charlesworth, B. 5133
Charlesworth, D. 5430
Charlot, F. 4942
Charlton, J. 3106
Charlton, J. A. 6565
Charlwood, B. V. 5480, 5540
Charnay, P. 2293
Charng, Y. C. 6516
Charpenteau, J. L. 1807
Charrier, A. 477, 1437, 5268
Charters, Y. 1090
Chartier, Y. 318
Chartier-Hollis, J. M. 2618
Chartisathian, J. 2306
Charue, D. 4406
Chasan, R. 5524
Chase, C. D. 3250
Chase, K. 1990
Chase, M. B. 4598
Chase, M. W. 1795, 1798, 1813, 1826, 1843, 5683, 6509
Chatelain, J. 901-902
Chatfield, M. 2934
Chatot, C. L. 5965
Chatterjee, A. 117, 883
Chatterjee, A. K. 117
Chatterjee, B. 828
Chatterjee, N. 840
Chatterton, N. J. 4714
Chaturvedi, H. C. 460
Chaturvedi, S. 2099
Chau, F. 2866
Chaubet, N. 276-277, 5631
Chaudhari, A. N. 1560
Chaudhary, R. 2499-2500
Chaudhry, R. A. 2152
Chaudhuri, S. 5569, 5780-5781
Chaudhury, A. 3851
Chauhan, M. B. 3162
Chauhan, R. S. 4292
Chaumont, F. 4605
Chauvin, J. E. 516
Chauvin, L. P. 1245
Chavatte, P. 4324
Chavkin, C. 3430
Chaw, S. M. 5099
Chay, C. H. 3469
Chaybani, R. 4074
Cheah, K. S. E. 3958
Cheah, Y. C. 907, 6459
Chebotar', S. V. 5924
Chee, P. P. 1463
Chee, P. W. 4190
Cheetham, P. S. J. 2275
Chefdor, F. 5115
Cheli, F. 5434
Chemistry and Industry 4890
Chemli, J. 1594
Chen, A. 2983
Chen, B. 3123
Chen, C. 4386
Chen, C. C. 426, 1263, 2277, 2794, 4894, 6442
Chen, C. H. 4739
Chen, C. M. 3992
Chen, C. S. 225
Chen, C. Y. 1587
Chen, D. 6338
Chen, D. D. 88
Chen, D. F. 3852
Chen, D. S. 5744
Chen, E. Y. 719
Chen, F. 3636
Chen, F. H. 5987
Chen, F. Q. 5525, 5632
Chen, G. C. 1430
Chen, G. Y. 312, 4075
Chen, H. B. 282
Chen, H. M. 2388
Chen, H. Y. 4415
Chen, J. 2239, 3304
Chen, J. C. 6717
Chen, J. L. 5087, 5482
Chen, J. M. 4166
Chen, J. Q. 5108
Chen, K. H. 769
Chen, L. 1579
Chen, L. F. O. 1430, 6363, 6517-6518
Chen, L. M. 4187
Chen, L. S. 212
Chen, M. 3141, 3427
Chen, M. C. 1728, 3141, 5782
Chen, M. H. 5572, 6518
Chen, M. J. 426
Chen, Q. 1199, 2276
Chen, Q. F. 1053, 2020
Chen, R. 816
Chen, R. D. 3471
Chen, S. 2557
Chen, S. C. 3840
Chen, S. C. G. 1430, 5782, 6363, 6517
Chen, S. H. 1064
Chen, T. A. 2589
Chen, T. H. H. 1251, 2936
Chen, T. T. 5435
Chen, W. Y. 2803, 4784
Chen, X. N. 5336
Chen, Y. 2389
Chen, Y. D. 6039
Chen, Y. H. 5087
Chen, Y. M. 226, 4905, 5702
Chen, Y. R. 4357
Chen, Z. 1053
Chen, Z. H. 461
Chen, Z. L. 557, 1093, 3347, 4103
Chen, Z. X. 462, 3016, 3903
Chen ManChuan 3141
Cheng, G. X. 4313
Cheng, H. 691
Cheng, H. H. 6460
Cheng, I. 1934
Cheng, J. P. 127
Cheng, J. S. 15
Cheng, K. J. 2166
Cheng, M. C. 5782, 6363
Cheng, Q. 803
Cheng, S. H. 4321
Cheng, S. S. 5494
Cheng, Y. 4313
Chengalrayan, K. 6618
Chénieux, J. C. 1061, 3182, 4476, 6654
Cheong, K. F. 5480
Cheong, N. E. 6256
Cherednichenko, V. N. 6008
Cherep, N. N. 29
Cherepneva, G. N. 2176
Cherezhanova, L. V. 6639
Chern, Y. C. 2277
Chernyad'ev, I. I. 3717
Chernyak, N. D. 4815
Cheroutre, H. 3878
Chervin, C. 3748
Chesne, P. 2045
Chesnokov, Yu. V. 1670, 5483-5484, 5940
Chestnut, K. 1934
Chet, I. 91, 172, 537, 3906
Chetelat, R. T. 726, 2451
Chetsanga, C. J. 6252
Cheung, A. Y. 231, 2482
Cheung, P. H. 244
Cheung, W. Y. 937
Chevalet, C. 900, 6465-6466
Chevallier, M. H. 5875
Cheverud, J. 6581
Cheverud, J. M. 2019
Chèvre, A. M. 4365
Chevreau, É. 2619, 2639
Chi, C. W. 1292
Chi, W. K. 5438
Chi, W. Y. 2992
Chia, T. F. 2658
Chian, R. C. 4851, 6664
Chiang, A. N. 5600
Chiang, C. C. 4982
Chiang, C. H. 1728, 6000
Chiang, C. M. 2022
Chiang, L. W. 3103
Chiang, M. K. 701
Chiang, Y. P. 5674
Chiao, P. J. 2390
Chiapello, H. 1807
Chiara, M. D. 3503
Chiari, C. A. 1469
Chiariotti, L. 357
Chiaruttini, C. 1295
Chiatante, D. 4828
Chibbar, R. N. 2774, 2785
Chien, K. R. 3332, 5621
Chiesa, G. 2222
Chieves, L. P. 2037
Chikaleke, V. A. 935
Chikamune, T. 1226
Chikaraishi, D. M. 4034
Chikuni, K. 6226
Chikwamba, R. 1698
Child, A. R. 4311
Chilton, B. S. 794
Chilton, M. D. 6195
Chilton, N. B. 4767
Chilton, W. S. 3388, 6195
Chin, E. 5880-5882, 5941
Chin, H. 1846
Chin, S. F. 2095
Chin, W. W. 3536
Ching, A. F. T. 6236
Chinn, E. 2435
Chinnaiya, G. P. 1068
Chino, M. 4099, 5226
Chinoy, C. N. 4163
Chiou, S. H. 3462
Chiou, T. J. 212
Chipens, G. I. 3045
Chirgwin, J. M. 2768
Chittenden, L. M. 5271
Chiu, J. F. 4049
Chiu, P. Y. 5569
Chiu, R. J. 426
Cho, B. H. 5216
Cho, B. W. 6461
Cho, E. G. 3762
Cho, F. S. 1765
Cho, H. J. 1740, 3412, 3894, 4447
Cho, M. J. 1276, 6256
Choe, T. B. 1739
Chohan, K. R. 523
Choi, B. J. 3723
Choi, C. B. 6588
Choi, C. S. 39
Choi, D. 6364
Choi, D. C. 3723
Choi, H. S. 4789
Choi, I. S. 6196
Choi, J. H. 3719
Choi, P. S. 4944
Choi, S. C. 5382
Choi, S. J. 828, 6592
Choi, S. Y. 338, 4179
Choi, T. K. 3326
Choi, Y. H. 2119
Choisne, N. 4152
Chollet, R. 6402
Chollet-Daemerius, A. 4588
Chomczynski, P. 2558
Chong, J. 1724, 6177
Chonn, A. 2892
Choo, K. H. A. 158
Choo, M. K. 5883
Choongkittaworn, N. M. 5029
Chopin, A. 5939
Chopin, M. C. 5939

Chopra, V. L. 25, 4250, 5217, 6003
Chory, J. 311, 847, 1880, 5221, 5679
Chou, C. C. 4894
Chou, C. L. 3508
Chou, I. T. 6287
Chou, T. C. 1525
Chourey, P. S. 5109
Chourrout, D. 6589
Chouvet, C. 3777
Chow, A. 3878
Chow, L. M. L. 5030
Chow, L. T. 2022
Chowdhary, B. 3599
Chowdhary, B. P. 1935, 1945-1946, 2499-2500, 6462-6463
Chowdhury, J. R. 562
Chowdhury, M. K. U. 4251
Chowdhury, N. R. 562
Choy, L. 3003
Choy, W. F. 4411
Chrambach, A. 6747
Chrestin, H. 4465, 6418
Chrétien, M. 189
Chrétien, N. 6166
Christakis, H. 3507
Christakopoulos, P. 6092
Christeller, J. T. 723
Christensen, A. H. 1432
Christiansen, S. K. 131
Christiansson, A. 3140
Christmann, J. 5541
Christoffersen, R. E. 2951
Christofori, G. 2992
Christoph, A. 2859
Christophe, J. 2922, 4593
Christopher, D. A. 6365
Christou, P. 18, 569
Christov, V. 5681
Chu, B. Y. 1611, 3487
Chu, C. C. 513
Chu, J. L. 5140
Chu, M. L. 359
Chu, N. Y. 2277
Chu, P. 1692
Chu, Q. R. 4187
Chu, T. H. T. 2770
Chu, W. W. 242
Chua, K. L. 4201
Chua, N. H. 278, 309, 322, 342, 733, 1902-1903, 2658, 2948, 5777, 5833, 5836, 6300
Chua, S. C. 1936
Chugunkova, T. V. 1576
Chun, M. 5868
Chun, Y. S. 4778
Chung, J. H. 770
Chung, K. S. 4778
Chung, P. H. 1728
Chung, S. 771
Chung, S. Y. 1394
Chung, T. Y. 3640-3641, 4115
Chung, Y. Y. 6398
Chunwongse, J. 2957
Chupeau, M. C. 4390
Chupeau, Y. 4390, 4401, 5775
Church, D. L. 2079
Church, D. M. 4740
Church, R. B. 2125
Chuvpilo, S. 5141
Ciampolini, R. 1395, 1400
Ciccarelli, E. 2922, 4593
Ciceri, P. 5771
Cicero, S. lo 97
Cichon, Z. 2384
Cicila, G. T. 3049
Cidadão, M. R. 2599, 3679-3680, 3767
Cieutat, A. M. 2887
Cigan, M. 2481
Cihla, H. P. 2812
Cimino, F. 5037
Cimino, L. 2902
Cionini, G. 1753
Cionini, P. G. 5792
Cipriani, G. 5884
Cipriani, L. 2208
Çırakoğlu, B. 383
Citovsky, V. 1112
Citri, Y. 2914
Ciuffetti, L. M. 131
Clack, T. 3042, 6257
Claessens, F. 2984
Claesson, M. H. 1134
Clamp, P. A. 4145, 5859
Clancy, M. 6366
Claparols, I. 988
Clapham, D. 3550
Clapham, D. H. 1119, 4606
Clark, A. J. 2804
Clark, A. M. 2935
Clark, C. R. 5331
Clark, G. 2021, 2834
Clark, J. 1238
Clark, J. A. 3509
Clark, J. C. 2313
Clark, J. H. 1954
Clark, M. E. 1691
Clark, M. F. 444
Clark, M. S. 245
Clark, S. 37
Clark, W. D. 1795, 1798, 3993
Clark-Walker, G. D. 1719
Clarke, A. 5742
Clarke, A. E. 2164, 2679, 4320, 6306
Clarke, J. C. 5062
Clarke, J. H. 2542
Clarke, J. K. 5521
Clarke, R. A. 3587
Clarke, S. 809
Clarke, T. R. 3940
Clarke, V. 3058, 3616
Clarkson, C. A. 648
Clarkson, W. W. 2693
Classen, H.L. 3778
Classon, B. J. 6227
Clastre, M. 2109, 5988
Clausell, A. 5722
Clausen, U. 179
Clayton, D. 6451
Clayton, D. A. 3429, 5027
Clayton, L. K. 2866, 3520
Clegg, C. H. 43
Clegg, D. O. 2760
Clegg, M. T. 735, 1798, 2941, 3993-3994
Clement, A. 6418
Clement-Sengewald, A. 5346
Clemente, T. E. 2787
Clercq, N. de 652
Clericus, M. 5634, 6016
Clérot, D. 296
Cleuter, Y. 6230
Cleveland, D. W. 2242
Cleveland, J. L. 5077
Clevers, H. 839
Clevers, H. C. 694
Clevinger, E. C. 5577
Cleyet-Marel, J. C. 2472
Cleyn, M. de 6564
Cline, S. D. 4448
Cloeckaert, A. 1476
Close, P. S. 6536
Close, T. J. 1329, 6332
Cloud, J. G. 969
Clouse, S. D. 4026, 5242
Clouthier, D. E. 616
Clua, E. 3492
Cnops, G. 6551
Coadwell, J. W. 648
Cobb, A. G. 1284
Cobb, B. G. 6351, 6392
Cobb, S. A. 2707
Coca, M. A. 2173, 6258
Coca-Prados, M. 3439
Cocciolone, S. M. 2351, 2436-2437
Cockburn, A. F. 1202, 1485
Cockburn, B. 1731
Cockett, N. E. 5248
Cocking, E. C. 463, 1541, 6638
Cocking, Y. 6487-6489
Coe, E. 5272-5273
Coe, E. H. 4709, 5873, 5885, 6536
Coe, E. H., Jr. 4087
Coen, E. 5783, 5823
Coen, E. S. 1809, 1881, 5204
Coenen, K. 2132
Coetzee, M. 1498
Coffey, R. J. 5495
Coffin, R. S. 3357
Coghlan, J. P. 6222
Cognata, U. la 5668
Cognié, Y. 2154
Cohen, B. A. 6199
Cohen, D. 5934
Cohen, D. R. 5142
Cohen, F. E. 4978
Cohen, J. 4199, 6725
Cohen, J. A. 2888
Cohen, J. D. 2620, 5978
Cohen, J. I. 2197, 3821, 6117
Cohen, J. S. 3110, 3123
Cohen, N. D. 1477
Cohen, R. A. 2350
Cohen, S. 3674
Cohen-Tannoudji, M. 2293
Coico, R. 2568, 2744
Cola, G. di 4015
Colaprico, G. 1440
Colas des Frances-Small, C. 1246
Colbert, J. T. 851, 4072
Colbert, M. C. 31
Colburn, N. H. 2570
Cole, G. T. 4422
Cole, K. P. 6249, 6259-6260
Cole, N. M. 3327
Cole, T. J. 6210
Cole, Y. 1418
Colella, R. 2985
Coleman, A. A. 4444
Coleman, D. T. 5723
Coleman, G. D. 1251, 2936
Coleman, J. R. 863, 6265, 6404-6405
Coleman, M. 4959
Coleman, R. D. 6089
Coleman, S. 1024
Colenbrander, B. 1471
Coles, G. 6578
Colijn-Hooymans, T. M. 6624
Coll, A. 2319, 2322
Coll, J. 3397, 4812
Collard, J. F. 1690
Collas, P. 1049, 1514
Colledge, W. H. 6206
Collen, D. 3920
Colli, S. 2080
Collier, R. J. 1954, 2686
Collin, H. A. 2299
Collin, J. 2144
Collin, S. 5708
Collinge, D. B. 1927, 4002, 6250
Collins, A. 849
Collins, A. C. 884
Collins, A. R. 4868-4869
Collins, B. K. 6498
Collins, D. M. 1478
Collins, D. W. 237
Collins, F. H. 1201, 1703
Collins, F. S. 6586
Collins, G. B. 6149, 6659
Collins, G. G. 6575
Collins, J. H. 1221
Collins, M. E. 1827
Collo. G. 5570
Colman, A. 3406
Colombo, L. 2979, 6229
Colombo, R. 1612
Colonna, J. P. 986
Colonna, N. 5792
Colwell, N. S. 649
Comai, L. 3573, 4655, 4908
Comb, M. 4405
Combarnous, Y. 524
Comeau, A. 2144
Comeau, Y. 2703
Commandeur, P. 1648
Compton, M. E. 2091, 6619
Comstock, J. C. 432, 445
Conceição, A. da S. 4607
Concepcion, E. S. 1858
Concheri, G. 487
Concibido, V. C. 3895
Concilio, L. 1976, 3634
Concordet, J. P. 5739
Condra, C. 1217
Cone, K. C. 2351, 2436-2437
Cone, R. D. 818
Conejero, V. 739, 4436, 4984
Confalonieri, M. 3853
Conger, B. V. 2616, 2635, 6031
Conklin, P. L. 1247, 1284, 5802
Conkling, M. A. 2849
Conley, C. A. 3546
Conley, T. R. 3548
Connell, J. H. 2592
Connelly, C. S. 3051
Connelly, S. 3017
Conner, A. J. 2081
Conner, G. E. 4514
Conner, R. L. 6439
Conner, T. 3799
Connerton, I. F. 1827
Connolly, A. G. 6519
Connolly, T. M. 1217
Conrad, G. W. 659
Conrad, R. 98
Conrad, S. 2531
Conrads-Strauch, J. 93, 425
Considine, J. A. 2086
Consoli, D. 4400
Consonni, G. 2354
Constant, R. H. ffrench- 6179
Constant, S. 4324
Conte, M. R. 4015
Conti, C. C. 5174
Conti, E. 1795-1796, 1828
Cook, C. E., Jr. 650
Cook, D. I. 1404
Cook, G. P. 3872
Cook, J. L. 11
Cook, N. L. 4241
Cook, P. R. 5784
Cook, R. F. 581
Cook, R. G. 677
Cook, R. J. 6761
Cook, S. J. 581
Cooke, A. 42
Cooke, H. J. 6476
Cooke, R. 211, 1797, 1807, 4003
Cooke, S. E. 3578
Cooke, T. J. 2620
Coomber, S. 5480
Coon, M. J. 5602
Cooney, A. J. 5176
Cooney, C. L. 1645
Coonrod, S. A. 6060
Cooper, B. S. 2676
Cooper, D. W. 1410, 4517
Cooper, J. 3406
Cooper, J. A. 3006
Cooper, J. B. 5130, 6329
Cooper, J. E. 5018
Cooper, M. 6519
Cooper, N. G. 4915
Cooper, T. A. 2424
Copeland, N. G. 34, 359, 364, 760, 784, 916, 2323, 3050, 3069, 3435, 3612, 3967, 4127, 4149, 5257, 5575, 6242
Coppieters, W. 1396
Coppola, T. 6228
Coquerelle, G. 1304, 6503
Corbeil, H. B. 1225
Corbellini, M. 397
Corbin, G. D. 4798
Corbineau, F. 2784
Corchete, M. P. 2840
Cord Neto, G. 4117
Cordeiro, M. C. 5100
Cordero, M. J. 6261
Cordesse, F. 1797
Cordewener, J. H. G. 4316
Cordle, S. R. 6345
Córdoba, L. T. 5445
Cordonnier-Pratt, M. M. 344
Corey, A. 5525
Coriat, A. M. 2986
Cork, L. C. 2242
Cornefert-Jensen, F. 2767
Cornejo, M. J. 1330
Cornelissen, B. J. C. 3908, 4549
Cornish, E. C. 2349, 2944
Cornu, D. 4252, 6640
Cornudella, L. 693
Corr, C. 1981
Corran, P. H. 5452

Corrochano, L. M. 58
Corry, J. P. 1191
Corry, P. 618
Corsi, P. S. 785
Corsini, D. 6168
Corton, J. C. 6497
Coruzzi, G. M. 3497, 3544
Coscelli, M. B. 4665
Coscia, C. J. 4448
Cosgrove, J. M. 6085
Cosio, E. G. 1169
Coşkun, B. 1077
Coskun, S. 4864
Cosset, A. 5826
Cossins, E. A. 3931, 5010
Cossio, F. 1668
Cosson, L. 4481, 6010
Costa, E. 5053
Costa, J. A. 2599
Costa, J. V. 2828
Costa, M. A. 3559
Costantini, F. 2870, 5494
Costantini, F. D. 2817
Costantino, P. 3502
Costich, D. E. 2023
Costosi, E. 4671
Côté, F. 1690, 5492
Côté, M. J. 2020
Cotinot, C. 5960
Cotinot, C. Y. 689
Cotten, M. 4939, 4956, 5472, 6128
Coucke, P. 360
Couée, I. 4903
Couet, J. 5609
Couillerot, J. P. 1545
Coulombe, P. A. 1847
Coulson, A. 750
Coulson, M. 4703
Coulthart, M. B. 1248, 6520
Coupe, S. A. 3472-3473, 5698
Couperwhite, S. 2501
Coupland, G. 1351, 2458, 5196, 5905, 6551, 6558
Coupland, G. M. 4198
Courage-Franzkowiak, U. 2453
Courduroux, J. C. 4262
Coursin, D. B. 2812
Courtney, W. H. 1001
Courtney-Gutterson, N. 2243, 4417, 6420
Couse, J. F. 2290
Cousin, R. 5275
Coussirat, J. C. 3868
Couton, D. 4387
Coutts, R. H. A. 3357
Couture, S. M. 408
Couvet, D. 1874, 1971
Coverdale, L. 6227
Cowan, N. J. 5192
Coward, P. 6338
Cox, G. A. 3327
Cox, J. F. 3230
Cox, J. J. 2383
Cox, L. A. 4050
Cox, R. D. 3051
Cox, T. S. 4165
Cox-Foster, D. C. 351
Coy, D. H. 5405
Coy, P. 1042, 1048, 1581
Cozijnsen, T. J. 3914, 4433
Craft, J. 638
Crafts-Brandner, S. J. 1812
Craig, A. L. 4959
Craig, M. L. 2593
Craig, R. 3800
Crain, W. R. 2861
Cramer, S. J. 1665
Crampin, A. C. 2246
Cran, D. G. 3232
Crane, C. F. 4158
Crane, V. C. 3019
Cranfield, M. R. 3142
Crawford, A. M. 1402, 1411, 1413, 2502, 3589, 4663, 4668
Crawford, D. R. 3304
Crawford, J. A. 245
Crawford, J. M. 3425
Crawford, N. 838
Crawford, N. M. 3498
Crawford, R. J. 1224
Crawford, R. L. 3784
Crawford, S. H. 139
Crawley, M. J. 1090, 3278, 3801, 4911
Craze, M. 3776
Creamer, L. K. 3921
Creche, J. 4476
Creemers-Molenaar, J. 2025
Creighton, P. 6451
Creissen, G. 6116, 6253
Creissen, G. P. 3995, 4352, 5633
Cremer, H. 2859
Cremer, T. 4756, 6493
Cremers, F. P. M. 633
Cremonini, R. 3633, 5792
Crepin, K. M. 1231
Crespi, M. D. 6357
Crespi, R. S. 1082, 3802
Crespi, S. 4069
Cressent, M. 5060
Cresswell, J. E. 4887
Cresswell, N. 2193, 2734
Cresteil, T. 802
Cresti, M. 6590
Crétin, C. 6402
Creusot, F. 4152
Crews, D. 826
Cribiu, E. P. 3620, 5960
Crine, P. 5619
Crish, J. F. 1132
Cristiano, R. J. 2206, 5571
Critten, D. L. 2717
Crittenden, L. B. 2503, 3601, 6460
Crkvenjakov, R. 938
Crocker, L. A. 3449
Crofford, J. 3592
Crofford, L. J. 1938, 4136
Croker, K. P. 3245
Crombrugghe, B. de 3518, 5088
Cronauer-Mitra, S. 1553
Cronin, M. A. 5249
Cronin, M. T. 5321
Crooijmans, R. P. M. A. 3588
Cros, J. 1437
Crosby, T. F. 1590
Crosby, W. L. 1110, 3018
Cross, G. A. M. 73
Cross, J. C. 5160
Cross, N. C. P. 2886
Cross, N. L. 6665
Cross, S. H. 6565
Crosti, P. 2082
Croteau, R. 4816, 6573
Crotty, D. A. 2981
Crouch, J. 3896
Crouch, N. R. 2083
Crouzillat, D. 6698
Crowther, J. R. 59
Croy, E. J. 6566
Croy, R. R. D. 6262, 6283, 6566, 6748
Crute, B. E. 2343
Crute, I. R. 6197
Cruz, E. M. V. 6061
Cruz, G. S. 4315
Cruz, L. C. 2677
Cruzan, M. B. 1431, 5886
Cryer, A. 1207
Csáki, T. 455, 903
Csanádi, G. 3996
Cseh, S. 455
Cserjesi, P. 579
Csizmadia, V. 803
Cubero, J. I. 2010
Cuello, F. 2583
Cuende, F. X. 4801
Cuguen, J. 6075
Cui, K. H. 958
Cui, X. G. 6038
Cui, Z. 5572
Cui, Z. B. 2223
Culíanez-Macía, F. A. 727, 3035, 4614
Culic, O. 244
Cullen, J. M. 65, 1124
Cullimore, J. V. 1922
Cullinane, A. A. 60
Culpepper, J. 5043
Cumaraswamy, A. 651
Cuming, A. C. 279, 2356, 3015, 3833
Cumming, I. 4779
Cummings, L. 4741
Cummings, M. P. 3474
Cummings, N. J. 1827
Cummings, R. 4415
Cummins, I. 2438
Cunanan, D. 3370
Cundiff, L. V. 2802
Cunningham, B. A. 2418
Cunningham, E. P. 4662
Curiel, D. 5472
Curran, D. F. 2686
Curran, S. 2600
Curran, T. 45, 682
Current Opinion in Biotechnology 1094-1095
Curtis, R. 895, 1211, 2511
Curtis, W. P. 1191
Curtis, W. R. 150, 608, 1546
Cushman, J. C. 4533, 6266
Cushman, M. 4460
Cushman, S. W. 4759
Custers, J. B. M. 4316
Cutler, A. J. 1466, 5128
Cutler, S. J. 4764
Cutsem, P. van 2101
Cutt, J. R. 300
Cuturi, M. C. 3974
Cuvillier, C. 6554
Cuzin, F. 2666
Cuzzoni, E. 1879
Cvekl, A. 252
Cybulska-Augustyniak, J. 6021
Cyr, D. R. 4080, 6620
Czaja, I. 506
Czakó, M. 989, 4391
Czapla, T. H. 2970
Czaplicki, A. Z. 6053
Czeschin, D. G., Jr. 4158
Czosnek, H. 5536, 6185, 6188
Da Câmara Machado, A. 2846
Da Câmara Machado, M. L. 2846
Da Silva, J. A. G. 2007
Da Silva, L. L. 4293
Da Silva, M. J. 4117
Da Silva, R. P. 184
Da Silva Vaz, I., Jr. 4428
Daas, J. H. G. den 917
Daas, N. H. G. den 1421
Dabo, S. M. 1454
Dachkevitch, T. 4727
D'Adamio, L. 3520
Daelen, R. A. J. J. van 1163
D'Agati, V. 2870, 6166
Dagnino, D. 3706
Dagorn, J. C. 4506
Daheshia, M. 249
Dahlbeck, D. 113
Dahle, C. E. 3104
Dahlseid, J. N. 2320
Dahm, M. W. 3307
Dahmer, M. L. 4813
Dai, L. Y. 3378
Dai, P. H. 1394
Daie, J. 3341, 4076, 4615
Dairaghi, D. J. 3429
Dale, J. 3358
Dale, P. J. 1621, 1656, 3852, 4363
Dale, T. C. 766
Dalens, M. 900
D'Alessandro, A. 2779
D'Alessio, G. 2559
Dallas, J. F. 1839
Dalle Zotte, A. 3256
Dall'Olio, S. 4661, 4697
Dalmasso, A. 3356
Dalrymple, B. P. 61-62
Dalton, D. A. 2934
Dalton, J. C. 4891
Dambier, D. 6622
D'Ambrosio, E. 2566
D'Ambrosio, F. 987, 4400, 5491
Damerval, C. 4731
Damiani, F. 2107, 5879
Damiani, G. 2974, 4702
Damiani, R. D., Jr. 2439
Damiano, C. 2617, 5384
Damm, B. 574
Damm, D. 175
Damme, E. J. M. van 1249, 2352, 5101
Damon, J. P. 3392
Danbara, H. 2580
Danciger, M. 3052, 4121
Dancik, B. P. 4529
Dandekar, A. M. 15, 573, 1892, 1979, 2244, 4983
D'Andrea, A. D. 5574
Danesh, D. 392, 4437-4438
Dangl, J. 1164, 2841, 4159
Dangl, J. L. 6410
Dangler, C. A. 142
Danhash, N. 99, 3914
Dani, C. 4931
Dani, M. 2549
Dani, R. G. 4263
Daniel, M. J. 6695
Daniel, N. 5034
Daniel, V. 640
Daniel-Vedele, F. 5485
Danieli, G. A. 952
Danielian, P. S. 772
Daniels, L. 6160
Daniels, M. J. 1165, 1999
Daniels, S. E. 1207
Danin, M. 2084
Dankort, D. L. 1225
Danneberger, T. K. 6100
Danner, D. B. 5029
Dános, B. 4255, 4896
Danos, O. 2758, 3352
Danthu, P. 986
D'Apice, M. R. 823
Darai, G. 81
D'Arcy, C. J. 3673
Darling, D. C. 2742
Darlison, M. G. 3517
Darnell, J. E., Jr. 5090
Darre, R. 5960
Darteil, R. 86
Darvasi, A. 4122
Darvey, N. L. 2136
Darvill, A. G. 94, 6175
Darwish, G. M. 6670
Das, A. B. 2621
Das, A. K. 1479
Das, L. 4913
Das, O. P. 5651, 5785-5787
Das, P. 2621, 6646
Dascal, N. 1204, 3430
Datla, R. S. S. 2774, 3018
Datta, A. 2252
Datta, S. K. 1677, 2773
Dattena, M. 6693
Daub, M. E. 6153
Dautigny, A. 262
Dautry, F. 763
D'Auzac, J. 4249
Davey, G. P. 5563
Davey, M. R. 1004, 3190, 3726, 4280, 4808, 6638
David, A. 1010, 6004
David, C. 777, 2814
David, C. S. 1236
David, H. 1010
David, K. M. M. 92
David, M. 171
Davidson, A. 1179
Davidson, B. P. 373
Davidson, E. A. 714
Davidson, E. W. 4345
Davidson, J. J. 4519
Davidson, M. B. 634
Davidson, N. 3430
Davie, P. 4959
Davies, C. 4534
Davies, C. J. 887
Davies, D. R. 3297, 3707, 3828, 5708
Davies, E. 5706
Davies, F. T., Jr. 3695-3696
Davies, H. V. 742, 3351, 4643, 4652
Davies, J. W. 1108, 2847
Davies, K. E. 1770
Davies, K. M. 1250, 2937, 3547, 3997

Davies, M. H. 760
Davies, N. P. 30
Davies, P. H. 532
Davies, P. L. 1613
Davies, T. F. 1858
Davies, W. 1945
Davies, W. J. 2106
Dávila, G. 170
Davinder Singh 4253
Davis, A. 152
Davis, A. M. 2504, 4666
Davis, D. L. 178
Davis, H. L. 1663-1664
Davis, J. 3994
Davis, J. F. 5724
Davis, J. I. 5883
Davis, J. M. 1251
Davis, M. 3301
Davis, M. M. 3985, 4064
Davis, N. L. 5520
Davis, R. E. 79
Davis, R. W. 4093, 5343
Davis, T. D. 3209
Davis, W. H. 6528
Davison, A. J. 60
Davisson, M. T. 2510, 6481
Davoli, E. 4671
Davoli, R. 912, 1425, 4661, 4665, 4667, 4697
Davy, A. J. 4537
Davydova, Yu. V. 1121
Dawson, I. K. 923
Dawson, S. J. 4034
Dawson, S. P. 5031
Dax, E. 6521
Day, B. N. 2664, 4855, 5404
Day, D. A. 4572
Day, J. 115
Day, J. F. 3155
Day, K. H. 4035, 4575
Day, M. J. D. 1331
Day, R. 189
Day, R. N. 4035, 4575
Day, W. H. E. 2973, 4200
Dayanandan, S. 1795
Daza, A. 990
Dazin, P. 5476
De Almeida, E. R. P. 571
De Almeida Engler, J. 2265, 2450
De Ambrogio, E. 6690
De Ávila, A. C. 1722
De Bakker, E. P. H. M. 301, 1676
De Barros, E. G. 6246
De Barros, I. 3174
De Bem, A. R. 963, 4783
De Beus, M. 4357
De Billy, F. 6393
De Blank, C. 205
De Block, M. 3849, 4335, 6403
De Boer, G. J. 1350
De Boer, H. A. 6679
De Boer, P. A. J. 3118
De Bolle, M. F. C. 92
De Bondt, A. 6135
De Borne, F. D. 5775
De Bruijn, F. 560
De Bruijn, F. J. 1383, 4651
De Bruijn, I. 38
De Buyser, J. 2139, 4088
De Camilli, P. 6160
De Campos Vidal, B. 2880
De Carvalho, F. 4073
De Castro Silva Filho, M. 4605
De Clercq, N. 652
De Cleyn, M. 6564
De Crombrugghe, B. 3518, 5088
De Felici, M. 959, 1517
De Felipe, M. R. 1729
De Feyter, R. 2842
De Filippo, G. 459
De García, E. G. 3729
De Gouyon, B. 904
De Graaff, A. 2363
De Groot, L. E. G. M. 1503
De Groot, M. J. A. 1114
De Groot, N. 2395
De Groot, R. P. 785
De Haan, N. A. 1409
De Haan, P. 1722
De Hondt, H. A. 1409
De Hoog, H. 1473
De Jong, E. R. 3312
De Jong, F. 5381
De Jong, P. J. 4386
De Jong, R. 5736
De Kam, R. J. 1819, 2357
De Klerk, G. J. 3191
De Kok, J. B. 3145
De Koning, J. R. A. 3368
De Kruif, A. 966, 5376
De la Canal, L. 6698
De la Fuente, J. M. 2843
De la Fuente, R. 58
De la Fuente-Martínez, J. M. 1170
De la Luz Sierra, M. 4759
De la Rosa, E. J. 699
De Laat, S. W. 2609
De Lange, P. 1350
De Leeuw, O. S. 67
De Leo, P. 4469
De Leon, F. A. P. 1049, 2058
De Leon, V. 1311
De Loof, A. 2771
De Loos, F. A. M. 5413, 5974
De Lorenzo, G. 97, 3633, 6175
De March, G. 1010
De Marcillac, G. 1807, 3372
De Martin, R. 803
De Martinis, D. 2853
De Matos, D. G. 4305
De Meijer, E. J. 74
De Mia, G. M. 1493
De Moura Gallo, C. V. 5188, 5614
De Neergaard, E. 1927
De Nigris, M. 2559
De Oliveira Resende, R. 1722
De Pablo, F. 699
De Pace, C. 5792
De Paolis, A. 3502
De Pater, B. S. 305, 3479
De Pater, S. 322, 6300
De Paz, P. 6602
De Philip, P. 171
De Proft, M. P. 6033
De Robertis, E. M. 5735
De Rubertis, F. 911
De Rycke, R. 334
De Silva, M. 1529, 5410
De Souza, L. 3538
De Souza, S. 1655
De Stoppelaar, J. M. 4208
De Strooper, B. 3965
De Torres Zabala, M. 5208
De Vicente, C. 1175
De Vicente, M. C. 2011
De Vienne, D. 4731, 5275
De Vil, M. 6135
De Vincenzi, S. 4347
De Vos, D. 1452
De Vos, P. 2984
De Vos, R. 3920
De Vries, A. 2917
De Vries, B. J. 6371
De Vries, P. 2330
De Vries, S. 6431
De Vries, S. C. 1799
De Vries van Hulten, H. P. J. 2137
De Winter, J. 5381
De Wit, A. A. C. 6069
De Wit, E. 1772
De Wit, L. 3540
De Wit, P. J. G. M. 99, 1707, 3914-3915, 4433
De Zamaroczy, M. 174
Deak, M. 2948
Dean, C. 930, 1323, 1351, 1999, 2542, 4160, 4198, 4716, 6201, 6551
Dean, D. M. 3446
Dean, G. E. 6233
Dean, M. 2024
Dean-Nystrom, E. A. 56
Deans, S. G. 4463
Dear, N. 1235
DeArmond, S. J. 593, 2832, 3873
Deaton, W. R. 3913
Deaver, D. R. 4885
Deaver, R. E. 142
Debeaujon, I. 991
Debel, K. 5788
Debener, T. 1164, 2841, 4159
DeBoer, D. L. 3034
Debouck, D. G. 3647
Debrouwer, D. 4335
Debs, R. 4940, 5476
Decendit, A. 4449
Decoteau, D. R. 1001
Decourtye, L. 2216
Decout, É. 1545
Decuypere, E. 1304
Dedieu, A. 6393
Dedonder, A. 334
Deeb, S. 1319
Deeker, W. 5515
Deeley, R. G. 5729
Deemter, L. van 1748
Deeny, A. A. 1959
Defontaine, A. 1984
Degen, J. 3920
Degett, J. 3293
Degrave, W. 2576
Dehesh, K. 728, 1349
Dehio, C. 2441, 3311
Dehning, I. 6281
Deidda, M. 3763
Deikman, J. 861
Deimling, S. 4254
Deininger, P. 5251
Dekens, R. G. 4171
Dekkers, J. J. 6764
Dekroon, C. 6249
Del Campo, C. H. 4850
Del Campo, M. R. 1141, 4850
Del Duca, S. 5990
Del-Favero, J. 6522
Del Fierro, G. 1146
Del Niño Jesús, A. 3755
DeLacy, I. H. 6519
Delaey, B. 5381
Delafontaine, P. 2889
Delahaye, S. 3102
Delaney, D. 4165
Delany-Heiken, P. 2866
DeLarco, J. E. 269
Delauney, A. J. 542, 3423
Delbarre, A. 6137
Delbos, R. 1725
Delbos, R. P. 2837
Delbreil, B. 5385
DelCardayré, S. B. 2963
Delcher, E. 5903
Delcher-Besin, E. 4088
Delécluse, A. 2692
Delft, J. H. M. van 3664
Deliová, I. 421, 1506
Della, N. G. 2890
DellaPenna, D. 5795
Dellaporta, S. L. 1882
Dello, C. 5381
Dell'Orto, V. 5434
Deloire, A. 2090
Delon, R. 3917, 6761
Delouis, C. 2813
Delp, G. 3998
Delre, V. 5792
Delseny, M. 211, 1797, 1807, 2005, 3494, 4003, 5229, 5790, 5801
Delteil, C. 2769
Deltour, L. 3527
DeLuca-Flaherty, C. 3370
Delval, A. 2046
Delves, A. C. 3319
DeMartini, J. C. 412, 1186
DeMason, D. A. 6332
DeMayo, F. 36
DeMayo, F. J. 2235, 4407, 5176
Demeke, T. 2543, 4698
Demeneix, B. A. 1664
Demeulemeester, M. A. C. 6033
Demir, İ. 3760
Demmig-Adams, B. 6116
Demont, N. 4107
Dempsey, P. J. 5495
Demski, J. W. 1009
Demura, T. 2353
Den Bieman, M. 4142
Den Boer, B. G. W. 1914
Den Daas, J. H. G. 917
Den Daas, N. H. 1421
DeNagel, D. C. 2320
Denby, K. J. 5798
Denecke, M. 1820
Deneris, E. S. 5195
Deng, C. 5548
Deng, G. 5942
Deng, X. W. 5768, 5831, 5855
Deng, X. X. 26
Dengler, N. G. 5813
Denhardt, D. T. 636
DeNise, S. K. 1967, 3622
Denker, J. K. 4596
Dennehey, B. K. 3854
Dennis, D. 5209
Dennis, D. T. 2360, 6249, 6259-6260
Dennis, E. S. 208, 286, 5270, 5481, 5818
Dennis, J. 1482
Dennis, J. W. 4741
Dennis, P. 1257
Denny, R. L. 3895
Deno, H. 6395
Denslow, N. D. 840
Dentine, M. R. 376, 4691, 6500
Denton, R. M. 5597
Deokar, A. B. 1560
DePamphilis, M. L. 2422, 6765
DePaoli-Roach, A. A. 183
DePetrillo, P. B. 3651
Depicker, A. 1396
Deragon, J. M. 6554
Dereuddre, J. 6032
DeRocher, A. E. 2440
DeRocher, E. J. 2719
DeRose, R. T. 4814
Derry, J. M. J. 360
Deryckere, F. 4526
Desai, M. 6707-6708
Desamero, N. V. 464
Descourvières, P. 6711
Deshaies, Y. 4969
Deshayes, A. 2728
Desiderio, A. 3633
Desilets, H. 2085
Desir, G. V. 5032
Desjardins, A. E. 2261
Desjardins, Y. 998, 1575, 2085, 5487
Després, C. 6263
Desprez, B. 5928
Desprez, T. 1807, 5219, 5826
Dessy, F. 5969, 6594
Destefano-Beltran, L. 2845
Dethier Rogers, S. M. 4813, 4837
Detrick, B. 5579
D'Eustachio, P. 3058, 3616
Deutsch, D. G. 3133
Devantier, Y. A. 4392
Devauchelle, N. 4235
Devaux, P. 2669, 3242
DeVerna, J. W. 726
Devey, M. E. 1977, 6507, 6523
Devi, D. R. 5977
Devi, M. T. 5837
Devilder, M. C. 3067
Devlin, R. H. 195, 3941, 5330, 6738
Devos, A. 652
DeVos, D. A. 5299
Devos, K. M. 4163, 4721, 4733
Devos, P. 1319
DeWald, D. B. 5202, 5839
DeWald, M. G. 3130
Dewald, S. 3370
Dewar, K. 100
Dewdney, J. 3548, 6399
Dewey, F. M. 441
Dewey, R. E. 300
Dewitt, D. L. 1203
DeWitt, M. 4751
Deynze, A. van 1451
DeYoung, J. 1981
Dezeure, F. 4505
Dhaliwal, H. S. 1569, 1585, 1597, 4161, 4188

D'Halluin, K. 4357
Dhanarajan, P. 660
Dhanjal, N. K. 3337
Dhar, K. 4824
D'Harlingue, A. 5627
Dharmarajan, A. M. 6678
Dhillon, B. S. 5994
Dhindsa, R. S. 1080, 1616, 2969
Dhingra, M. 4295
D'Hont, A. 922, 5274
Di Biase, S. 2559
Di Cola, G. 4015
Di Donato, A. 2559
Di Gregorio, P. 912
Di Lauro, R. 2980
Di Marco, F. 4040
Di Meo, G. P. 896, 3598
Diaco, R. 3115
Dial, G. D. 6082
Diamond, B. 1128
Diaquin, M. 2253
Diaz, C. 1918
Díaz, C. L. 305, 3479
Díaz, I. 1883, 2838, 4945, 6417
Diaz, J. 3977, 5073
Díaz-Ruíz, J. R. 1727
Díaz-Sala, C. 6019
DiBlasio, E. A. 2327
Dick, J. E. 2215
Dick, P. 1605, 3257
Dickey, J. F. 5360
Dickinson, C. 3349
Dickinson, H. 3772
Dickinson, M. J. 381, 388, 3901
Dickinson, P. 4384
Didierjean, L. 4353
DiDonato, S. 713
Diehl, J. R. 5360
Dieleman, S. J. 6069
Diener, A. C. 3520
Dierich, A. 618, 1742, 4051
Dietrich, A. 215, 1355, 5826
Dietrich, A. J. J. 3438
Dietrich, P. S. 316, 3370
Dietrich, R. A. 2841
Dietrich, W. 366, 6484
Dietrich, W. F. 1937, 3050
Dietz, A. 1622, 6138, 6388
Dietz, A. B. 370, 2514, 2517, 3589, 3603
Díez, J. J. 2840
Diggelmann, H. 5500
Digonnet, C. 4336
Dijk, H. van 3797, 6075
Dijkhuis, P. 497
Dijkhuizen, L. 1645
Dilley, D. R. 871
Dilling, G. W. 1484
Dillinger, R. E., Jr. 2908
Dillon, N. 2391
DiMagno, L. 3430
DiMaio, J. 1274, 1678
DiMascio, J. A. 6100
DiMattia, G. E. 816
Dimitrova, D. 5033
Din, J. 4123
Din, N. 849
Diner, A. M. 4832
Dinesh, K. R. 4201
Dinesh-Kumar, S. P. 2258
Ding, B. 1717
Ding, C. M. 24
Ding, J. 4852
Ding, J. Y. 2276
Ding, X. 5602
Ding, X. H. 1587
Ding, Y. 1093
Dion, A. S. 2565
Dionne, C. A. 2027
Dippert, K. D. 4879
Dirks, W. 1103
Dirkse, W. G. 1365, 3361
Dirlewanger, E. 5275
Distante, A. 2976
Disteche, C. 4141
Distler, M. 5023
Diter, A. 4801
Divanach, P. 6738
Dively, J. P. 2920
Dix, P. J. 1570, 4009, 5447
Dixon, B. 653, 1083
Dixon, L. K. 52, 84
Dixon, M. 3901
Dixon, M. S. 388
Dixon, R. A. 114, 1331-1332, 1818, 2473, 3725, 4635, 5692, 5804
Dixon, S. 104
Dixon, T. E. 3160
Dixon, T. W. 5046
Díz Monforte, C. 3681
Djian, P. 2891
Djiane, J. 5034
Dmitrieva, N. N. 4263
Doan, D. N. P. 849
Dobos, É. 4255
Doboule, D. 599
Dobres, M. S. 314, 2956
Dobrinsky, J. R. 529, 6593
Dodd, J. G. 4407
Dodds, J. 6725
Dodds, J. A. 115
Dodds, J. D. 108
Dodds, J. H. 2873
Dodds, K. G. 2502
Dodds, P. N. 2679
Dodemont, H. 655
Doderer, A. 4775
Dodge, A. 6116
Dodgson, J. B. 647, 1783, 2503
Doebley, J. 924, 1978, 3549, 5303
Doelling, J. H. 283
Doenecke, D. 654
Doerfler, W. 4385
Doerner, P. W. 6295
Doetschman, T. 2409, 5547
Doherty, P. C. 2860
Dohmen, G. 2938
Dohnal, B. 4467
Döhring, C. 5573
Dohy, J. 3584
Doi, H. 2998
Doi, P. 890
Doi, Y. 6145
Doireau, P. 4449
Doke, N. 2632, 5789, 6116
Doko, M. B. 4777
Doktycz, M. J. 4748
Dolan, B. M. 5598
Dolce, V. 5035
Dolci, S. 819, 959, 1517
Doležel, J. 1462, 6567, 6692
Dolf, G. 2505
Dolferus, R. 5481
Dolfini, S. 2354
Dolgikh, Yu. I. 6104
Dolgykh, Yu. I. 4354, 6104
Doliana, R. 6229
D'Oliveira, C. 3145
Dollé, P. 246, 1742, 4051
Dollinger, G. 406
Domanico. S. Z. 2320
Dombrowicz, D. 2288
Domen, J. 5742
Domier, L. L. 433
Domin, M. 5806
Domingo, C. 4984
Dominguez, J. C. 6602
Dominguez-Steglich, M. 885
Dominic, B. 25
Dominy, P. J. 6254
Domoney, C. 3545, 4069, 4352, 6253
Donaldson, C. J. 1782
Donaldson, E. M. 1603, 5426, 6738
Donaldson, P. A. 4960
Donato, A. di 2559
Donchenko, A. P. 1205
Doner, L. 2647
Doney, J. M. 532
Dong, J. L. 284
Dong, J. S. 5888
Dong, J. Z. 1671, 4608
Dong, L. J. 2704
Dong, L. Y. 3855
Dong, W. 4224
Dong, Y. S. 6637
Donis-Keller, H. 4756
Donker, W. 4775
Donkin, S. 5569
Donnelly, D. J. 4900
Donoghue, A. M. 2055
Donoghue, M. J. 2378, 6524
Donoso, M. X. 4850
Donovan, A. 4880
Donovan, A. M. 6216-6217
Donowitz, M. 834
Dons, H. J. M. 4316
Dons, J. J. M. 2137, 2297, 6613
Dooley, J. S. 3519
Dooley, T. P. 4679
Doolittle, D. P. 2510, 6481
Doonan, J. 867
Doonan, J. H. 5204
Doong, T. J. 1728
Doorsselaere, J. van 2939, 3841
Dopazo, J. 4742
Dopp, E. 1518
Doppler, W. 3007
Dorange, G. 4235
D'Orazio, T. 2976
Doré, C. 4942, 6052
Doré, M. 2575
Dorin, J. R. 4384
Döring, H. P. 5909
Dorion, N. 992, 5989
Dormling, I. 3550, 4606
Dornburg, R. 2770
Dornelas, M. C. 3178, 4256
Dorokhov, D. B. 5889
Dörr, I. 6154
Dorregaray, F. 5287
Dorweiler, J. 924
Dos Santos, J. B. 5306
Dosba, F. 6761
Dosik, J. K. 2526
Dosoretz, C. G. 6203
Dostál, J. 4949
Dotto, G. P. 589
Douce, R. 4644
Douches, D. S. 3867
Doudrick, R. L. 1510, 4725
Dougherty, R. L. 5956
Dougherty, W. G. 2263, 5533
Doughton, B. W. 1591
Douglas, C. J. 298
Douglas, G. C. 5556-5557
Douglas, N. 4601
Douglass, J. 4576
Douglass, L. 1183
Douma, A. C. 4775
Doumas, P. 5488, 6640
Doung, C. 5658
Doussinault, G. 5293
Douville, P. J. 6464
Dovč, P. 5323
Dove, S. K. 4077
Dove, W. 1937
Dove, W. F. 3051, 4694
Dovichi, N. 4736
D'Ovidio, R. 405, 1440, 3633, 4726, 5887
Dow, J. M. 1165
Dowd, J. M. 4548
Dowhan, D. 2999
Downe, A. E. R. 1216
Downes, M. 2999
Downey, B. R. 2047
Downey, R. K. 5468
Downie, B. 4847
Downie, J. A. 3422
Downie, S. R. 1987, 3475
Downs, P. 6456-6457
Downs, S. M. 1043
Doyama, N. 5622
Doyle, J. A. 6524
Doyle, J. J. 382, 6547
Doyle, J. L. 382
Doyle, M. 4116
Doyle, S. 1809
Drabent, B. 654
Drabkin, H. A. 897
Dracup, M. 1196
Draper, J. 1020, 1087, 1731, 3038, 3848, 5853, 5921
Drappa, J. 5140
Dreher, T. W. 130
Dresselhaus, T. 4743
Dresser, B. L. 4798, 6604
Dresser, D. W. 1071
Drevet, P. 4765
Drew, M. C. 4632, 6351, 6392
Drew, R. A. 2086
Drewes, F. E. 2087
Drexler, K. 1303
Dreyfuss, B. W. 4550
Dridze, I. L. 4266
Driel, I. R. van 4403
Driever, W. 12
Drinkwater, R. 3591
Drinkwater, R. D. 3063
Driscoll, D. J. 2994
Drmanac, R. 938
Drmanac, S. 938
Drøbak, B. K. 743, 4077
Dröge-Laser, W. 6200
Drohan, W. N. 3324
Drolet, D. W. 2230
Dron, M. 1887, 4152, 4612
Drong, R. F. 1463
Droogmans, L. 6230
Drori, S. 4326
Drory, A. 285
Drost, M. 5974
Droste, A. 3179
Droste, M. 6245
Drouet, B. 1397
Drouin, G. 4217
Drouin, J. 1844
Druart, P. 6135
Druger, R. K. 2896
Druka, A. 3025
Drummond, B. J. 2437, 5800
Drummond, M. 204
Du, H. 2679
Du, J. S. 5208
Du, L. 3400
Du, M. 4313
Du, S. 4946
Du, S. J. 3941
Du, Y. 1938, 3592, 4136
Du, Z. F. 1515
Du Jardin, P. 3647
Du Merle, L. 2036
Duarte, M. 54, 3679
Duau, Z. W. 4103
Dubald, M. 571, 1884
Dubbels, S. 1090
Dubcovsky, J. 5276
Dube, I. D. 2215
Dubé, J. Y. 3102
Dube, S. K. 200
Dubel, S. J. 3455
Dubois, C. 6580
Dubois, J. 1545, 2112, 3320
DuBois, R. N. 5589
Dubois, T. 2112
Duboule, D. 246, 584, 1742
Dubray, G. 1476
Dubreuil, P. 5043
Duby, R. T. 529, 2058
Duc Bui Dang Ha 4562
Duca, S. del 5990
Ducancel, F. 4765
Duch, M. 5470
Duchêne, M. 64
Duchens, M. 6067
Duckworth, M. L. 4407
Ducolomb, Y. 6667
Ducos, C. 6757
Ducos, J. P. 5439
Ducrest, D. 2892
Ducreux, G. 5986
Ducrocq, C. 3315
Duda, G. 5043
Dudas, B. 4955
Dudits, D. 3342, 3571, 3933
Dudley, J. W. 4710, 6527, 6543-6544
Dudley, M. 5877
Dufaure, I. 664
Dufaure, J. P. 664
Duff, K. 1939
Duff, S. M. G. 4609
Dufour, M. E. 5671
Dufour, R. 3777
Dufy, B. 5034
Dugdale, L. J. 2299
Duggleby, C. J. 1503
Duhl, D. M. J. 6348
Duhoux, E. 4246

Duijn, G. van 4775
Dujon, B. 2468
Dukas, K. 3652
Duke, L. H. 6761
Duke, T. 4202
Düker, M. 1787
Dukic, S. 1029
Dulac, G. C. 1467, 3137
Dulieu, H. 5356
Dulieu, P. 5356
Dulson, J. 2471
Dumas, C. 521, 1598, 2138, 2158, 2678, 4336
Dumbroff, E. B. 1333
Dumont, M. 2947
Dumont, P. 4801
Dumoulin, J. C. M. 2601
Dunbar, B. S. 677
Dunbar, K. B. 465, 1009
Dunbar, L. J. 928
Duncan, J. M. 2042
Duncan, K. G. 5159
Duncan, T. 3114
Dundas, I. 4177
Dunderdale, H. J. 6445
Dunez, J. 116, 1725, 2837, 3124, 3372
Dunford, R. P. 3098
Dunkle, L. D. 1511
Dunn, A. R. 3876
Dunn, L. J. 2350
Dunn, M. A. 1252, 1805, 3791, 6101
Dunn, M. J. 6747
Dunn, T. L. 2425
Dunning, T. 755
Dunnington, E. A. 3053
Dunshea, F. R. 5433
Dunsmore, J. D. 3152
Dunsmuir, P. 1168, 3900, 4432
Dunstan, D. I. 3018, 4608, 6620
Dunwell, J. M. 49
Dupont, B 1227
DuPont, F. M. 5095
Dupret, J. 761
Dupuis, I. 514, 570
Dupuis, J. M. 4814
Duquesnoy, P. 1304
Durack, D. T. 2256
Duran-Vila, N. 1011
Durand, L. 6503
Durel, C. E. 4176
Duriez, B. 1304
Düring, K. 1166-1167, 3897, 4393
Durnford, R. 3246, 6666
Durocher, F. 5609
Durr, A. 6269
Durrant, A. 4611
Dürre, P. 1645
D'Urso, M. 719
Durzan, D. J. 3294
Durzan, M. D. 3294
Dusetti, N. J. 4506
Dusha, I. 4498
Dushkin, H. 4141
Dusi, D. M. A. 571
Dussaucy, M. 901-902
Dutrillaux, B. 1947
Dutt, A. 4577
Dutton, E. R. 1940
Duvall, M. R. 1432, 1795, 1798, 3993-3994
Düwel, A. 4931, 4936
Dvořák, J. 1886, 5276
Dvorak, J. 4129
Dvoryanchikov, G. A. 47
Dwarki, V. 2767
Dwarki, V. J. 4924
Dwyer, K. G. 533
Dyagileva, A. V. 5940
Dyer, T. 6367
Dyer, W. E. 3201, 4078
Dyke, T. van 2239
Dyson, J. 4664
Dyson, P. J. 824
Dzelzkalns, V. A. 533
Eady, C. 4610
Eagles, J. 6204
Ealing, P. M. 4955
Eapen, S. 2622, 3708, 5386, 6139, 6220
Earle, E. D. 2957, 4153, 5388
Earley, K. 244
Earp, H. S. 3967
Easley, K. 2891
Easter, R. A. 5437
Eastwood, R. F. 4985, 5291
Eaton, W. D. 63
Eb, A. J. van der 1665
Ebata, T. 2711
Ebe, Y. 1059
Ebel, J. 1169, 1287
Eber, F. 4365
Eberhardt, D. M. 5360
Eberspaecher, H. 5088
Ebert, K. M. 1126
Ebert, R. 5256
Ebida, A. I. A. 3180
Ebina, S. 4524
Ebora, M. M. 127
Ebora, R. V. 127
Ebright, R. H. 2415
Ebright, Y. W. 2415
Ebskamp, M. J. M. 4418, 5517
Echegaray, A. 3755
Echegoyen, E. 522
Echelard, Y. 2415, 5725
Echeverría, M. 5790
Echt, C. S. 4704
Eck, M. M. van 362, 1772
Eckerskorn, C. 1255, 2940, 5638
Eckert, J. 4231
Eckert, R. L. 1132
Eckert-Ossenkopp, U. 724, 5851
Economou, A. S. 482
Ectors, F. 2046
Ectors, F. J. 2046, 4853
Ede, A. J. 1401, 1411, 1413, 4668
Edelbaum, O. 6521
Edelhoff, S. 4141
Edelman, G. M. 2418
Eden, S. 6446
Edenberg, H. J. 256
Edfors-Lilja, I. 4124
Edgington, S. M. 6568
Eding, E. H. 6059
Edlund, A. 4114, 4408
Edlund, M. 4408
Edlund, T. 5599
Edman, J. C. 1701
Edman, U. 2992
Edmondson, A. J. 2059
Edmondson, D. G. 2863, 5139
Edward, A. Y. 6697
Edwards, A. 6116
Edwards, C. 2193, 2193
Edwards, E. A. 3995, 5633
Edwards, K. E. 6522
Edwards, R. H. 2333
Edwards, W. D. 1207
Eeuwijk, F. A. van 6624
Effmann, E. L. 2229
Efstratiadis, A. 1129, 2312, 5716, 6339
Egan, B. T. 3823
Egelkrout, E. E. 1251
Egerton, J. R. 4134
Eggen, A. 888, 3620, 4675
Egger, K. N. 166
Eggermont, K. 6135
Eggers, M. D. 4744
Eggert, R. G. 2155
Egholm, M. 404
Egidy, G. 5294
Egorov, I. K. 1218
Eguiarte, L. E. 1795, 1798
Ehlenfeldt, M. K. 3869
Ehrhardt, R. O. 1750
Ehrlich, D. J. 4744
Ehrlich, K. C. 1334
Ehrlich, R. 72
Eiben, H. G. 2442
Eichacker, L. A. 4621
Eichel, J. 1282, 5116
Eichler, E. E. 3936
Eijk, M. van 694
Eijlander, R. 6590, 6726
Eijnden, M. van den 3530
Eijsden, R. R. van 305
Eilenberg, H. 4535
Eilert, U. 4446
Einspanier, R. 5422
Eisel, U. 582
Eisen, E. J. 2803
Eisen, J. A. 6368
Eisen, J. S. 4143
Eisenbeiss, M. 4483
Eisenberger, B. 6733
Eisinger, D. P. 3431
Ëĭsner, G. I. 505
Ejiri, N. 707
Ejiri, S. 1948
Ejiri, S. I. 6290
Ek, B. 2456, 5036, 6250
Ekanayake, I. J. 2873
Ekberg, I. 3550, 4606
Ekstein-Michelson, I. 5536
El-Amrawi, G. A. 4327-4328
El-Bassam, N. 2701
El-Bawab, I. E. 4327-4328
El-Gaafary, M. N. 2120
El-Kharbotly, A. 4162
El-Maghrabi, M. R. 5564
El-Maksoud, M. M. A. 515
El-Mtili, N. 5687
El-Nadi, A. R. H. 3785
El-Sayyad, N. 2812
Elavummoottil, O. C. 2177
Elborough, K. M. 3476
Elcombe, C. R. 760
Eldefrawi, M. E. 423
Elder, J. T. 3874
Elena, S. F. 1713
Elferink, L. A. 5567
Elhammer, Å. P. 5581
Elias, E. 760
Elkin, V. V. 3753, 6037
Elkind, M. M. 2337
Elkington, J. 1091
Elkon, K. B. 5140
Ella, E. S. 1547
Ellar, D. J. 1296, 3950, 4344
Ellebracht, A. 6369
Ellegren, H. 886-887, 3054, 3590, 3599, 4124, 4683, 6462
Eller, N. 1289
Ellergren, H. 6115
Ellerström, M. 1921
Elliot, J. 4324
Elliott, J. 4736
Elliott, J. I. 824
Elliott, L. G. 3370
Elliott, M. L. 427
Elliott, R. W. 368, 876, 905
Elliott, T. J. 2434
Elliott, T. S. 247
Ellis, B. E. 3399, 4470
Ellis, J. 605, 1305, 4941
Ellis, J. G. 286
Ellis, J. R. 6140
Ellis, P. 2587
Ellis, R. J. 4550
Ellis, S. 1767
Ellis, S. A. 1766
Ellis, S. C. 3771
Ellis, T. H. N. 3630-3631, 3995, 4069, 4352
Ellison, J. 2024
Ellison, J. R. 4204
Ellsworth, D. L. 3105
Elmerich, C. 174
Elphinstone, J. G. 6178
Elsen, J. 6468
Elsen, J. M. 3063, 6465
Elson, C. J. 2572
Elst, J. C. van der 1516
Elst, J. van der 3682
Elumalai, R. P. 3379
Elzen, P. J. M. van den 1114, 4549
Emata, A. C. 4881
Embley, T. M. 2882
Emershad, R. L. 6621
Emerson, B. M. 5718
Emerson, C. P., Jr. 773
Emerson, S. G. 642
Emery, A. M. 1546
Emmermann, M. 5634, 6016
Emori, Y. 757, 4079
Enard, C. 3995
Enari, T. M. 3348
Enayati, E. F. 546, 3803
Encheva, J. 1548
Ender, K. 2165, 2687, 3260
Endo, H. 2901
Endo, T. 1592
Endo, T. R. 926, 4165
Endo, Y. 4856
Endre, G. 3996
Enerbäck, S. 1855
Engelborghs, I. 1249
Engelen, F. A. van 1799
Engelmann, F. 477, 6622
England, P. R. 3653
Englander, E. 1768
Engler, G. 334, 2265, 2450, 2476, 5937, 6561
Engler, P. 5726
Engler-Blum, G. 5943
English, J. 3901, 4796
English, J. J. 4191
Engström, W. 5513
Ennos, R. A. 2588
Enomoto, S. 501, 2443
Enright, W. J. 529, 1602
Enriquez, A. L. D. 6409
Entman, M. L. 2575
Entsch, B. 4573
Enyedi, A. J. 6014
Epner, E. M. 5325
Eppard, P. J. 1954
Eppig, J. T. 1941, 3050
Epplen, C. 2497
Epplen, J. T. 1393, 2496-2497, 2743, 4203
Eppler, C. M. 3460
Epstein, D. J. 5725
Epstein, E. 466
Erbach, G. T. 5361
Erbes, D. L. 6201
Erdjument-Bromage, H. 634
Erdmann, V. A. 6354
Eremeeva, M. 2825
Eremina, V. 892
Erfle, V. 5474
Ergashev, A. K. E. 4263
Erickson, H. P. 612
Erickson, L. 4946
Erickson, R. P. 1125, 1848, 2560, 5756
Eriksson, G. 3550, 4606
Eriksson, I. 4961, 5036
Eriksson, S. 4683
Eriksson, T. 985, 3575
Ermakova, G. 2690
Ernst, C. W. 2506, 4669
Ernst, D. 1255, 4530
Ernst, L. K. 1657
Ernst, R. 2192
Ernstsen, A. 4826
Erp, S. H. M. van 653
Errampalli, D. 2556
Ersfeld, K. 655
Esaki, Y. 4416
Escalier, D. 3506
Escayg, A. P. 1398
Esch, J. J. 3477
Esen, A. 4916, 5203
Eshed, Y. 5536
Eskes, A. 1555
Eskridge, K. M. 6686-6687
Espagnol, M. C. 6554
Espartero, J. 5635
Espechit, C. J. B. 5421, 5427
Espelund, M. 6273
Espinosa, A. 3755
Esposito, F. 5037
Esposito, J. J. 1186
Essawi, S. 1524
Esser, K. 1645
Esser, V. 774
Estable-Puig, M. 3504
Esteban, E. 3255
Estelle, M. 6387
Estoup, A. 4125, 6490
Estrella, J. E. 5991
Estruch, J. J. 287
Esumi, E. 2811
Etches, R. J. 1691, 2805
Etcheverrigaray, M. E. 1480

Etherton, T. D. 5569
Ethier, J. F. 5583
Etienne, H. 486, 3709
Etienne-Julan, M. 2894
Eto, K. 2998
Eto, T. 4518, 6235
Ettinger, W. F. 6287
Ettre, L. S. 4372
Eullaran, B. 4881
Eva, C. 2321
Evans, D. M. 4097
Evans, E. G. V. 2246
Evans, G. 6672
Evans, G. A. 2557
Evans, H. J. 5562
Evans, I. M. 4536
Evans, J. R. 1357
Evans, M. I. 242
Evans, M. J. 3305, 6206
Evans, S. A. S. 3983
Evans, S. J. 6236
Eveleth, G. G. 3048
Evenor, D. 534
Evenson, D. P. 5324
Everett, E. T. 5145
Evers, J. L. H. 2601
Ewald, D. 2623
Ewen, K. R. 4670
Eyal, Y. 288, 1361
Eyal, Z. 447
Eycken, W. van der 3898
Eyestone, W. H. 6679
Eynard, I. 1056
Ezan, E. 4765
Ezashi, T. 4749
Ezekowitz, R. A. B. 175
Ezura, H. 993, 2088
Fabb, S. A. 656, 1208
Faber, E. G. 6669
Faber, V. 5956
Fabri, C. O. 2544
Fabry, M. E. 2817
Faccioli, P. 2001
Faerman, A. 4963
Faeti, V. 2547
Faghihi, J. 3359
Fahleson, J. 4961
Fahy, M. M. 5966
Faingersh, E. 2660
Fainsod, A. 5167
Fairbairn, D. 6311
Fajfar-Whetstone, C. J. 5352
Faktor, O. 1332
Falck, J. R. 5589
Falck-Pedersen, E. 2208
Falcone, D. L. 6376
Falconet, D. 5102
Faleri, C. 6590
Faletto, M. B. 3945
Falk, A. 2456
Falk, B. W. 3804, 4910, 6728
Falk, J. 1335
Falkowski, O. 4405
Fallaux, F. J. 1665
Fallon, A. M. 1704, 2831
Falloon, P. G. 2081
Fallot, J. 2877, 6660
Falque, M. 6623
Fambrini, M. 2788
Fambrough, D. M. 709
Famelaer, I. 497
Familari, M. 830
Fan, T. S. 428
Fan, Y. L. 289, 349
Fang, G. W. 101
Fang, L. 202
Fanning, L. J. 4925
Fanning, P. 836
Fantes, V. 1674
Fantuz, F. 5434
Faraco, J. 2389
Faraguna, D. 1314
Faranda, S. 6141
Faras, A. J. 590
Farber, D. B. 3052, 4121
Farber, E. 3945
Farcy, E. 2349, 2944
Farestveit, B. 2073
Fári, M. 4845
Farias, S. 59
Farin, C. E. 5403
Fariñas, I. 6207
Farinelli, L. 102
Farjo, Q. 1933
Farley, D. 3942
Farmers Weekly 3226
Farnden, K. J. F. 5131
Farnetti, E. 1425, 4665, 4667, 4671
Farr, C. J. 2552
Farrah, T. 2330
Farrell, P. 981
Farrington, C. 418-419
Farstad, W. 965, 2121, 4790
Farthing, M. J. G. 5519
Fasold, K. I. 4384
Fast, A. W. 5420
Fatokun, C. A. 392
Fatta del Bosco, S. 2561
Fauconnier, M. L. 467
Faulkner, D. B. 2674
Faulkner, J. A. 3327
Fauquet, C. M. 1672
Faure, C. 4235
Faure, J. E. 2138, 4336
Faure, O. 5414
Fauré, S. 3082, 3632
Fauron, C. M. R. 5705
Faust, C. J. 879, 883
Favali, M. A. 5990
Favero, R. J. 2674
Favot, P. 2425
Fawcett, J. 184
Fawcett, T. 4536
Fawell, S. E. 772
Fay, M. F. 5992
Faye, L. 4629
Fayrer-Hosken, R. A. 6049
Featherstone, T. 5559
Fecker, L. F. 1192
Fedak, G. 1724, 5264
Fedoreyeva, L. I. 6013
Fedoroff, N. 1376, 4998, 5232, 5841
Fedorovskiĭ, D. N. 4815
Feeney, A. J. 3432
Feger, M. 1169
Fehér, A. 3571
Fehr, S. 2407
Fei, Y. J. 5038
Feichtinger, H. 4745
Feierabend, J. 5684
Feige, U. 3982
Feil, R. 263, 3106
Feilleux-Duché, S. 249
Feingold, S. 5287
Feist, G. L. 347
Feix, G. 292, 1256, 4083, 5644
Fekete, D. M. 5471
Fekete, S. 3571
Felder, C. C. 1870
Felder, M. R. 5724
Feldhaus, A. L. 613
Feldmann, K. 3491
Feldmann, K. A. 1293, 3486, 3498, 4631, 6303
Feldmann, P. 922, 5274
Feldmar, S. 2453
Felgner, J. 2767
Felici, F. de 1517
Felici, M. 487
Felici, M. de 959
Feliciangeli, M. D. 137
Felipe, M. R. de 1729
Felix, D. B. 112
Felix, G. 1383
Fellay, R. 5018
Feller, A. C. 1747
Fellous, M. 5960
Felsenfeld, G. 770
Feltes, R. 5859
Feltes, R. J. 2531
Feltkamp, D. 6264, 6268
Fender, S. E. 1345
Feng, H. 3057
Feng, L. 3510
Feng, L. X. 108
Feng, P. 248, 5750
Feng, T. Y. 103, 2794
Feng, W. 5019
Feng, X. H. 1253
Feng, Z. 6039
Fennessy, P. F. 1589, 3160
Fennoy, S. L. 5636
Fenton, R. D. 1329
Fenton, W. A. 3447
Fenwick, B. 65
Fenwick, B. W. 1474
Ferenz, C. 2327
Ferguson, B. S. 428
Ferguson, M. M. 2507
Ferguson-Smith, A. 263
Ferguson-Smith, A. C. 775, 2419, 4036
Ferguson-Smith, M. A. 1452, 3669
Ferkol, T. 3304, 4933
Ferl, R. J. 214, 323, 575, 4638
Fermor, T. R. 2702
Fernandes, K. V. S. 1254
Fernandes, O. 2576
Fernández, H. 1054
Fernández, J. A. 5637
Fernandez, J. G. 6602
Fernández, L. 1120
Fernandez, L. M. 4494
Fernández, M. C. 6510
Fernando, Sh. S. 3717
Fernex, C. 5721
Feron, G. 5988
Ferrant, V. 6680
Ferrara, L. 896, 3598
Ferrara, M. 4675
Ferrara, P. 5080
Ferrari, S. 4578
Ferré, F. 5462
Ferre, G. 6082
Ferreira, B. 4338
Ferreira, C. M. 2874
Ferreira, M. E. 1711
Ferreira, P. 1182, 2450
Ferreira, S. 434
Ferreira da Motta, V. A 5427
Ferrer, A. 3492
Ferrer, E. 4168
Ferreri, K. 2997
Ferretti, L. 911
Ferrier, P. 5721
Ferrin, L. J. 6569
Ferriola, P. C. 1760
Ferris, C. 4537
Ferris, J. M. 3359
Ferris, V. R. 3359
Ferry, L. 6594
Fessler, L. I. 680
Festing, M. F. W. 1959
Fett, J. P. 6265
Feuillet, C. 4538
Feyter, R. de 2842
Ffrench-Constant, R. H. 2171, 6179
Fias, E. 3965
Fichtner, K. 4092
Fickenscher, H. R. 2392
Fiddler, T. A. 6523
Fieder, B. 302
Fiedler, I. 2687
Field, H. J. 58
Fieldes, M. A. 4611
Fields, C. 755, 5460
Fieni, F. 1594
Fiering, S. 5325
Fierro, G. del 1146
Fierro, R. 3227, 6667
Fietz, M. J. 776
Fievet, B. 6205
Figdore, S. S. 1711, 3088
Figueira, A. 2624
Figueiredo, J. R. 4853
Figueras, M. 4614
Figueroa, F. 688, 918, 1229
Figueroa, J. V. 2037
Fikrig, E. 3141
Filali, M. 4476
Filion, W. G. 6425
Filipowicz, W. 3017, 4089
Filippo, G. de 459
Filippone, E. 987
Filippova, M. A. 1205
Filmer, B. 4022
Finan, P. M. 5103
Finch, I. 1570, 5447
Finch, R. P. 1541
Fincher, G. B. 849
Fincher, R. 6511
Finco, T. S. 2512-2513
Findlay, I. 3612
Findlay, J. B. C. 5103
Findlay, J. K. 1591, 3248
Findlay, K. C. 4077
Fine, S. M. 33
Finegold, M. 36, 2765, 4407
Finegold, M. D. 2766
Finer, J. J. 23, 2954, 4546
Fink, G. 1315
Fink, G. R. 862
Finkel, D. 6398
Finlay, O. 2515-2519, 3603, 4132
Finn, R. F. 3806
Finnegan, E. J. 208
Finnegan, J. 605
Finnen, R. L. 3360
Finney, R. E. 3417
Finstad, K. 994
Fiore, F. 5037
Fiore, M. C. 5954
Fiorella, A. 912
Fiorella, S. 6255
Fire, A. 104, 3371
Firek, S. 1020, 1087, 1731
Firmin, J. L. 4069
Firon, N. 534
Firoozabady, E. 2243, 4417
First, N. L. 1530, 2134, 2663, 4308, 5972
Fisch, B. 974
Fischbach, A. 1796
Fischbeck, G. 6187
Fischer, B. 5364
Fischer, E. I. C. 4305
Fischer, H. M. 167
Fischer, K. 2940, 5638
Fischer, M. 4974
Fischer, N. H. 4466
Fischer, R. 5107
Fischer, R. L. 861, 4631, 5795
Fischer, U. 6275
Fiser, P. S. 2047
Fishburn, C. S. 777
Fisher, D. K. 729
Fisher, M. 4954
Fisher, M. W. 1589
Fitch, G. Q. 3249
Fitch, J. M. 680
Fitchen, J. 2834
Fitzgerald, B. P. 4893
FitzGerald, P. G. 665
Fitzmurice, W. P. 3850
Fitzpatrick, S. L. 778
Fladung, M. 1167, 1673, 3897
Flaherty, L. 1790, 1869
Flamand, V. 2288
Flamm, E. L. 1629
Flavell, R. A. 3141
Flavell, R. B. 2444, 3083, 6370
Fleck, J. 1807, 6269
Fleeker, J. R. 450
Fleming, A. J. 2445, 5791
Fleming, A. M. 5567
Fleming, P. 3388
Fleming, R. E. 3505
Fletcher, B. S. 6337
Fletcher, F. A. 2330
Fletterick, R. J. 4978
Flick, C. E. 3344
Flieger, K. 4623
Flier, J. S. 3333
Fliniaux, M. A. 4453
Flinn, B. S. 4080
Flint, D. J. 4329
Flint, H. M. 3913
Flint-Wandel, J. 2694
Flipse, E. 6371
Flockerzi, V. 1204, 5023
Flodby, P. 797
Floh, E. I. S. 2874
Flood, J. F. 6341
Flood, M. 4854
Florack, D. E. A. 3361, 3910
Flores, M. 170
Flores, R. 1713
Florio, T. 5601
Floss, H. G. 3388

Flowers, K. M. 5063
Floyd-Smith, G. 796
Flügge, U. I. 2940, 5638, 6385
Fluhr, R. 288, 1361
Flynn, D. C. 5039
Flynn, S. E. 758
Fnohman, L. A. 2567
Fobert, P. F. 1113
Fobert, P. R. 5204
Fockler, C. 406
Födinger, M. 64
Fodor, S. P. A. 5321
Folch, J. 522
Folch, J. M. 2319, 2322
Foldager, J. 1606
Foley, R. C. 747
Folkins, B. 63
Fomenko, T. I. 4287
Fong, C. K. 2355
Fonseca, F. A. 5421, 5427
Fontana, A. 6464
Fontenot, G. K. 4527
Fontes, R. S. 2046
Fonzi, W. A. 2824
Foolad, M. R. 4899
Foord, O. 1849
Foote, L. J. 2902
Foote, R. H. 980-981, 1582, 3231, 4872
Foote, T. 4719
Forage, R. G. 1591
Forbush, B., III 1221
Force, W. R. 5143
Ford, V. A. 657
Ford, V. S. 1836
Ford-Lloyd, B. V. 3642, 4706, 5283
Ford-Santino, C. 3854
Forde, B. G. 2347, 6401
Fordham, I. M. 2280
Fordham-Skelton, A. P. 4536
Forest, C. 243
Foresti, F. 6589
Foret, F. 3113, 3126
Forgáč, O. 421, 1506
Forget, B. G. 32
Forgo, J. 258
Forkmann, G. 600, 2367
Foroni, L. 1235
Foroughi-Wehr, B. 1198, 1584
Forrest, G. I. 4705
Forrester, W. C. 6340
Forsberg, C. W. 2166
Forsberg, J. 3318
Forsberg, M. 4861, 6045
Forsee, W. T. 5056
Forssmann, W. G. 5058
Forster, B. P. 4154
Forster, C. 4069, 4352, 6253
Forster, J. W. 1973
Förster, M. 5323
Forsthoefel, N. R. 6266
Forstrom, J. W. 6236
Forsyth, R. 3666, 4753
Fort, P. 2894
Fortier, A. H. 3146
Fortin, M. G. 5301, 6508
Fortman, M. 2803
Fortuna, P. 3733
Fortunati, M. 1493
Fosket, D. E. 4116, 4917
Foster, D. 593, 2832
Foster, D. C. 6236
Foster, D. W. 774
Foster, E. 1617, 1640
Foster, G. 3038
Foster, G. G. 377
Foster, M. A. 1342
Fothergill-Gilmore, L. A. 2360
Fotouhi, N. 1399
Foulkes, N. S. 779
Fournier, R. E. K. 3418
Fournioux, J. C. 2089
Fowke, L. C. 2075
Fowler, D. P. 399
Fowler, K. J. 3876
Fowler, M. R. 3710-3711, 3743, 6749
Fowlkes, M. E. 5028
Fox, G. C. 3270
Fox, G. L. 5212
Fox, G. P. 6537
Fox, J. L. 3805
Fox, N. 243
Fox, T. W. 6070
Foxcroft, G. R. 4852
Foxworthe, D. 2330
Foyer, C. H. 3551, 4081, 6116, 6711
Frampton, M. W. 5936
France, Institut National de la Recherche Agronomique 5939
Franceschi, V. R. 1339, 4100
Franceschini, R. 4886
Franci, C. 728
Francia, C. R. 2118
Francis, D. 1325
Francis, D. M. 1178
Francisco-Ortega, J. 4706
Francke, U. 2389, 4133
Franckowiak, J. 3636
Frangioni, J. V. 4926
Frank, J. 5943
Frank, R. 6245
Frank-Kamenetskii, M. D. 2738
Frankard, V. 5643
Franke, W. 2899
Franke, W. W. 580
Franke-van Dijk, M. E. I. 1114
Frankel, W. N. 2521
Franken, J. 2427, 3574, 6443
Franken, P. 2373, 5639
Frankham, R. 6471
Franklin, A. E. 2945, 5652
Franklin, T. 6309
Franklin, T. M. 2682, 4337
Franssen, H. 205, 730
Fransz, P. F. 6624
Franti, C. E. 3255
Frants, R. R. 38, 362, 1772
Franzén, R. 386
Franzetti, B. 2365
Franzmann, L. H. 2556
Frappier, J. R. H. 271, 2431, 5640, 5776, 6097
Frary, A. 2957
Frascaria, N. 1800
Fraser, P. D. 6372
Fraser, R. A. 1691
Frattarelli, A. 2617
Frauman, A. G. 1692
Fray, R. G. 1378, 4539
Frederiksen, R. A. 4156
Fredholm, M. 1942, 3609, 4124, 6505
Frediani, M. 3633, 5792
Freedman, J. H. 104
Freeling, M. 2194, 2481, 3626
Freeman, A. E. 3452
Freeman, D. A. 2070
Freeman, G. J. 3400, 4965
Freeman, J. 3776
Freeman, M. D. 1152
Freer, G. 3922
Freer, I. K. A. 4489
Freestone, R. E. 4173
Fregoni, M. 2174
Freichel, M. 1204
Frelin, C. 4583
French , L. E. 2892
French, F. S. 2396
Frencia, J. P. 4340
Frendo, P. 4353
Frentzen, M. 5205
Frescura, T. 1493
Freshney, R. I. 3829
Frett, J. 4823
Freudenberg, M. 3922
Frey, J. 65
Frey, M. 1242, 4995
Frey, T. 1169
Freyer, R. 850, 5816
Freymark, P. J. 3362, 6180
Freymeyer, D. K., II 1187
Freyssinet, G. 3917
Fricke, P. M. 6694
Friday, A. 6330
Fridkin, M. 5175
Friedberg, E. C. 3655
Friedl, R. 3055
Friedman, A. D. 5760
Friedman, J. 180
Friedman, J. M. 1390
Friedman, J. R. 5168
Friedman, M. 6313
Friedman, P. A. 2756
Friedmann, A. 1778, 2532-2533, 4690, 5334
Friedmann, T. 12
Friedrich, L. 1160, 1184, 1640, 2851, 3905
Friedt, W. 3759
Friend, A. 4779
Friendship, R. 1474
Fries, R. 888, 921, 3073, 4119, 6451, 6478
Frigerio, J. M. 4506
Frim, D. M. 4927
Frink, C. 6118, 6123
Frison, E. A. 2040
Fristensky, B. 3091, 5326
Fritig, B. 1277, 4005, 4008, 4021, 4367
Fritsche, W. 2591
Fritz, A. K. 4165
Fröhli, E. 1209
Frohnmeyer, H. 4082, 5805, 6410
Frolova, L. 892
Fromm, H. 2960
Fromm, H. J. 3427
Fromm, M. E. 3034, 3316
Fromm, S. 4408
Frommer, W. 6171
Frommer, W. B. 317, 1904, 2371, 4641, 6296, 6359, 6385
Fronda, A. 3714
Frönicke, L. 6493
Froussard, P. 3107
Frühling, M. 3484
Fründt, C. 3040, 5534
Frusciante, L. 5491
Fry, D. J. 5556-5557
Fry, S. C. 5985, 5997
Fu, J. R. 4657
Fu, W. J. 88
Fuchikami, Y. 4454
Fuchs, C. 2896
Fuchs, E. 2386
Fuchs, J. 4755
Fuchs, M. 1712
Fuchs, R. 752, 2249
Fuchs, R. L. 3806-3807
Fuchs, S. 777
Fuente, J. M. de la 2843
Fuente, R. de la 58
Fuente-Martínez, J. M. de la 1170
Fuentes, S. I. 995
Fujii, C. 531
Fujii, H. 143, 658
Fujii, J. 3458
Fujii, N. 5857, 6625
Fujikawa, S. 971
Fujimoto, G. 6668
Fujimoto, H. 603, 4139
Fujimoto, K. 181, 5048
Fujimoto, S. 1769
Fujimoto, S. Y. 4651
Fujimoto, T. 6596
Fujimura, H. 5075
Fujimura, S. 6239
Fujimura, T. 860, 2927, 5829
Fujimura, Y. 2987, 3515
Fujino, M. 4580
Fujino, Y. 982
Fujioka, M. 674
Fujioka, S. 3213
Fujisawa-Sehara, A. 2988
Fujita, H. 716
Fujita, K. 2916
Fujita, T. 5623, 5641, 6267
Fujiwara, M. 2998
Fujiwara, T. 3552, 5793
Fujiwara, Y. 4139
Fujiyama, K. 1608
Fukada, T. 3261
Fukagawa, M. 6231
Fukamizu, A. 583, 3338, 4595
Fukasawa, K. 3554
Fukasawa, M. 1158
Fukazawa, C. 5808
Fukita, Y. 684
Fuku, E. 2047
Fukuda, H. 2353, 5656
Fukuda, K. 3511, 3525, 6684
Fukuda, T. 4126
Fukuda, Y. 4431
Fukui, H. 181, 1734, 1740, 3752, 4819, 5048, 6007
Fukui, K. 4707, 5277
Fukui, T. 1841
Fukui, Y. 967, 4416
Fukumi, S. 284
Fukumoto, H. 4458
Fukumura, T. 2251
Fukunaga, M. 1700
Fukuoka, H. 4708
Fukuoka, S. 5910
Fukuoka, S. I. 780
Fukushi, H. 1143
Fulka, J. 1577
Fulka, J., Jr. 2663
Fuller, D. H. 2207
Fuller, M. P. 516
Fuller, P. J. 5153
Fulton, D. C. 4450
Funahashi, H. 2664, 4794, 4855, 5404
Funatsuki, H. 6626, 6684
Funderburgh, J. L. 659
Funderburgh, M. L. 659
Funk, C. 4816
Funke, R. P. 6570
Funkenstein, B. 5435
Funkhouser, W. K. 938
Fur, G. le 5080
Furet, J. P. 6485
Furini, A. 4901
Furlonger, C. 157
Furlow, J. D. 2400
Furnier, G. R. 1795, 4181, 4724
Furnus, C. C. 4305
Furtek, D. 5899
Furtek, D. B. 6151
Furth, E. E. 4937
Furth, P. A. 4966
Furu-une, H. 6088
Furuichi, Y. 1964
Furukawa, H. 3727
Furukawa, T. 43, 4063, 5590
Furukawa, Y. 707
Furuno, T. 1735
Furusaki, S. 1607
Furusawa, I. 1721
Furusawa, S. 2625
Furuta, Y. 3421, 6209
Furuya, M. 1336, 1998
Furuya, N. 111
Furuya, S. 4856
Furuya, T. 4443, 4474, 4478, 4809, 5442
Fuschiotti, P. 660
Fuscoe, J. C. 2536
Fushiki, S. 5152
Fushimi, T. 5642
Fuss, B. 781
Futai, M. 5691
Futers, T. S. 2356
Fynan, E. F. 2207
Fyodorov, D. 5195
Gaastra, W. 1503
Gäbler, L. 5794
Gabriel, A. 889
Gabriel, W. 1623
Gack, S. 5144
Gadal, P. 6402
Gadd, G. M. 3287
Gadea, J. 1048
Gadek, P. A. 1795, 4540
Gadson, P., Jr. 4037
Gaensler, K. M. L. 2224
Gaestel, M. 1210
Gaffe, J. 6373
Gaffney, J. J. 6763
Gaffney, T. 1184, 1640, 2851, 3905
Gafner, J. 4364
Gafni, Y. 6188
Gafny, R. 1717
Gagandeep, S. 561
Gage, D. A. 6419
Gagliardo, R. W. 6195
Gagnon, C. 5583

Gagnon, J. 5157
Gaidarov, I. O. 5040
Gaillard, C. 2505
Gaisne, C. 3928, 6629
Gajda, B. 6608
Gajdošová, A. 3193
Gal, F. le 2048
Gal, S. 2952, 6374
Galasinski, S. 5770
Galau, G. A. 4558, 6390
Galaud, J. P. 290, 1801, 2446
Galcheva-Gargova, Z. 1126
Gale, M. 4719
Gale, M. D. 3083, 4163, 4721, 4723, 4733, 4989, 5278, 5282
Galeati, G. 6046
Galeffi, P. 2853
Galili, G. 1920
Gall, O. le 2837
Gallagher, D. S. 896, 3598, 5255
Gallagher, D. S., Jr. 3056, 3071
Gallagher, M. 5402
Gallant, P. 3433
Gallant, R. K. 1044, 2124
Gallerani, R. 6255
Galletta, J. A. 2306
Galletta, P. D. 3216
Galli, S. J. 1792, 2393
Galliano, H. 1255, 4530
Gallie, D. R. 1337, 2775, 4950
Gallin, J. I. 3953
Gallin, W. J. 2895
Gallino, M. 3734
Gallo, A. 3714
Gallo, J. 3349
Gallo-Meagher, M. 1885
Gallois, P. 4421
Gallon, J. R. 3833
Galloway, S. M. 4663
Gallup, M. 2339, 5079
Gallus, M. 6693
Gallwitz, D. 5093
Galons, H. 4481
Galosi, C. M. 1480
Galper, J. B. 1853
Galpern, W. R. 4927
Galson, D. L. 5574
Galun, E. 6103, 6116
Galvão, S. R. 5421
Galvez, A. F. 1886
Galvin, J. M. 4780
Galvin, S. 5194
Gamba, G. 3426
Gambacorta, M. 1072
Gambi, E. 2174
Gambley, R. L. 3375
Gamini Kannangara, C. 5828
Ganal, M. 1175
Ganal, M. W. 2957
Ganapathy, V. 5038
Gandecha, A. 1731
Ganders, E. S. 571
Gandini, E. 5181
Gandolfi, F. 2049, 3161
Ganetzky, B. 5082
Gangadharan, U. 1770
Ganguly, A. 5944
Ganjam, V. K. 3453
Gannon, F. 4526
Ganss, R. 6210
Gantet, P. 1887, 4612
Gantt, J. S. 1352, 2448, 6270
Gantt, S. 227
Gantz, D. M. 2477
Gao, B. 661
Gao, E. 1199, 5727
Gao, J. 5506, 6375
Gao, J. W. 3999
Gao, K. M. 232
Gao, L. 5472
Gao, M. W. 1758, 5999
Gao, S. 1481
Gao, S. F. 6038
Gaponenko, A. K. 161
Garagna, S. 890
Garat, B. 72
Garbarino, J. E. 3478, 6313
Garber, R. 253
Garber, T. L. 662, 2893
Garbers, C. 1259
Garchon, H. J. 3506
Garcia, A. V. 5621
García, E. G. de 3729
García, J. 5366
Garcia, J. V. 4930
Garcia, L. 1397
García, T. 4225, 4766, 4769
García-Arrarás, J. E. 5567
García-Artiga, C. 2665
García-Férriz, L. 4257
Garcia-Garcia, F. 3904
García-Garrido, J. M. 168
García-López, J. L. 2942
García-Maroto, F. 1802, 2838
Garcia-Meunier, P. 2894
García-Olmedo, F. 1822, 3286, 5637, 6417
Garcia-Sanz, M. 2204
García-Villalba, P. 2989
Garciá-Ximénez, F. 1537
Garde, J. 2665
Gardes, M. 429
Gardeström, P. 4114
Gardiman, M. 496
Gardiner, C. S. 4973
Gardiner, J. M. 4709
Gardner, D. K. 3241, 4236
Gardner, H. A. R. 3925
Gardner, R. C. 1353, 2721, 2780, 3466, 4012, 6714
Garestier, T. 4212
Garges, S. 4574
Garlatti, M. 249
Garlick, J. A. 3325
Garner, C. W. 4509
Garnes, J. 4386
Garnier, M. 133
Garon, C. F. 2255, 3883
Garrett, C. M. E. 6216
Garrett, S. D. 3150
Garrido, D. 2433
Garrido-Ramos, M. 4560
Garrido-Ramos, M. A. 5041
Garrigue, L. 3372
Garside, W. T. 2289
Gartland, J. S. 6744, 6749, 6763
Gartland, K. M. A. 6744, 6749, 6749, 6763
Gartner, A. 1289
Gärtner, D. E. 1732
Garton, R. L. 6598
Garvey, J. 3522
Garzon, R. J. 3512
Gasch, A. 2948
Gasdaska, J. R. 1215
Gasnier, B. 5157
Gaspar, T. 290, 2446
Gasparro, F. P. 153
Gasser, C. S. 1888, 3774, 6287
Gasser, D. L. 3057
Gasser, J. 3982
Gasser, R. B. 4767
Gasson, M. J. 5561
Gatehouse, J. A. 3032, 3501, 3833
Gates, M. 4143
Gates, P. 2148
Gates, R. 418-419
Gatica, J. 5620
Gatt, M. 2507
Gatz, C. 4397, 4654
Gau, T. G. 2277
Gaub, M. P. 618
Gaude, T. 1598
Gaudette, M. F. 2861
Gaudin, V. 2776
Gaudino, R. J. 283
Gaudoux, F. 5619
Gaugecz, J. 1280
Gaull, G. E. 1618, 1638
Gause, K. 4084
Gaut, B. S. 1795, 1798, 2941, 3993-3994
Gautam, V. K. 1055
Gauthier, E. 3102
Gautier, M. F. 5104, 5293
Gavalda, M. C. 5268
Gavazzi, G. 5126
Gaveriaux-Ruff, C. 3430
Gavidia, I. 1733
Gavish, N. 6521
Gavora, J. S. 601, 2577, 3583
Gawel, N. J. 928
Gay, G. 2139
Gayama, S. 2864
Gayen, P. 5993, 6006
Gaynor, J. J. 1272
Ge, K. L. 2016
Ge, W. 2895
Gearhart, J. D. 3660, 4410
Gearing, K. L. 663
Geary, T. G. 4424
Gebhardt, C. 3368, 4162, 5446, 6525
Gebuhrer, L. 3593
Gedamu, L. 2819
Geddes, D. M. 4384
Gedek, B. R. 4892
Geerts, A. 6268
Geha, R. S. 6240
Gehlen, J. 1820
Geider, K. 2591
Geiger, H. J. 418-419
Geiser, A. G. 3513, 6213
Geisow, M. J. 5452
Geiss, K. T. 4613
Geissler, E. N. 1792
Gelb, J., Jr. 1490
Geldermann, H. 3076, 4130
Gelhaus, A. 2508
Geliebter, J. 1869
Gellin, J. 900, 906, 2491, 3063, 3079, 3620, 6466, 6580
Gelly, C. 243
Gemen, B. van 1507
Genderen, C. van 6340
Genestier, S. 4262
Geng, Y. 360
Genga, A. 6141
Gengenbach, B. G. 2971
Geniaux, E. 169
Genislav, E. 3601, 5052
Genot, G. 4353
Genschik, P. 6269
Geoffroy, P. 1277, 4005, 4021
Georgatos, S. D. 665
George, E. F. 2195
George, K. H. 1084, 6719
George, L. 2622, 3708, 5386, 6139, 6220
George, P. S. 3181
George, S. G. 679
Georges, D. 2216, 3182
Georges, F. 5128
Georges, M. 3591, 5248, 6451
Georgescu, A. 1444
Georgesz, M. 3121
Georgieva, E. I. 4745, 5206
Geppert, M. 6160
Gepstein, S. 1333
Gepts, P. 1997, 5267
Geraedts, J. P. M. 2601
Gerald, C. 5068
Gérard, M. 584
Gerard, R. D. 1199
Gerardi, C. 4469
Gerardy, R. 4451
Gerasimov, S. 3443
Gerats, T. 1356, 1907
Gerbens, F. 1163
Gerber, H. 76, 1230
Gerber, S. 6526
Gerdes, J. T. 4164
Gerecitano, J. 4999
Geremia, R. 819
Gergerich, R. C. 3673
Geri, C. 6254
Gerick, E. 2798
Gerke, V. 655
Gerlach, G. F. 65
Gerlach, W. 2842
German, T. L. 446
Germana, S. 1771
Germany, Bundesministerium für Ernährung, Landwirtschaft und Forsten 3824
Germany, Tierärztliche Vereinigung für Tierschutz 2751
Germeraad, W. T. V. 1769
Germiller, J. 2389
Gernerone, A. M. 171
Gerondakis, S. 5042
Gerrath, J. M. 2626
Gerrero, M. R. 5162
Gerst, J. E. 5620
Gerstein, R. M. 182, 595
Gerster, J. L. 3493
Gerton, G. L. 5020
Gervais, F. G. 5030
Gerwig, R. 5141
Gerwin, M. 1164, 2841, 4159
Gesek, F. A. 2756
Geshi, M. 2050
Gessner, R. 3461
Gesteland, R. F. 1244
Geyer, B. 4918
Ghaemi, M. 3183, 5415, 6054, 6681
Gheysen, G. 2265, 3898, 6360
Ghislain, M. 5643
Ghivizzani, S. C. 257, 3434
Gholizadeh, G. 6165
Ghosh, A. K. 782
Ghosh, B. 5387
Ghosh, D. 751
Ghosh, K. 3110
Ghosh, M. 3110, 6093
Ghosh, P. 5443
Ghosh, P. K. 3298
Ghosh, S. 3439
Ghoshal, A. K. 3945
Ghyselinck, N. B. 664
Giaever, I. 3782
Giamoustaris, A. 3907
Gianfranceschi, L. 2549, 5523, 5914
Gianola, D. 4804
Giaquinto, M. 530
Giardina, M. C. 2298
Gibbins, A. M. V. 1691, 2805
Gibbons, J. R. 6669
Gibbs, E. M. 2231, 5501
Gibbs, M. 6728
Gibbs, R. A. 5462
Gibney, E. 680
Gibson, L. L. 3257-3258
Gibson, R. 3258
Gibson, S. 925, 6376
Gidamis, A. B. 2479
Giddings, S. J. 6341
Gidoni, D. 3674
Gidoni, O. 534
Giegerich, G. 3984
Gielen, J. 2939
Gierl, A. 1242, 4995
Giersch, T. 430
Giesecke, W. 4338
Gifford, D. J. 3044, 6102
Gigot, C. 277, 1807, 5631
Gil, G. 4057
Gil, L. 3755
Gil, P. 5207
Giladi, M. 2826
Gilbert, D. J. 359, 364, 760, 784, 916, 3050, 5575, 6242
Gilbert, H. J. 2804
Gilbert, J. 3889-3890
Gilbert, J. E. 110
Gilbert, M. L. 4192
Gilbert, R. 6452
Gilbert, T. L. 2334
Gilbertson, R. L. 410, 442, 1997
Gildow, F. E. 351
Giles, L. C. 4318
Giles, M. 2039
Gilgenkrantz, H. 4387
Gilissen, L. J. W. 2025
Gill, A. 5853
Gill, B. S. 926, 2545, 4165, 4188, 5279
Gill, J. J. B. 2299
Gill, K. S. 926, 4165, 4188
Gill, M. I. S. 5994
Gill, R. 2626
Gill, T. J., III 2335, 3061, 3957
Gillaspie, A. G., Jr. 431
Gillet, D. 4765
Gilman, M. Z. 5170
Gilmartin, P. M. 3553
Gilmore, M. S. 711
Gilmore, S. 1455
Gilo, H. 4219
Gimona, M. 3456

Ginther, O. J. 2600
Ginzberg, I. 128
Giordani, C. 1879
Giordano, S. J. 783, 5571
Giovannini, T. 3634
Giovannoni, J. J. 5795, 5819, 6379
Giovinazzo, G. 2467
Gíraldez, R. 5872
Girard, M. L. 170
Giraudat, J. 211, 1288, 1807, 5115
Girons, I. Saint 2823
Giroud, C. 4482
Giroux, M. 4106
Giroux, M. J. 5796
Girton, L. E. 3019
Gisel, A. 568, 4947, 5390, 6147
Gish, W. 6335
Gitlin, J. D. 3505
Giudice, G. J. 359
Giuliano, F. 2974
Giuliano, G. 846
Giulietti, A. M. 3918, 4452
Giusti, A. M. 2394
Givol, D. 1300
Gizang-Ginsberg, E. 4579
Glascock, C. 1159-1160
Glasgow, E. 2896
Glass, C. K. 2230
Glasser, S. W. 2421
Glaszmann, J. C. 922, 5274
Glazer, P. M. 153
Gleba, Y. Y. 1266, 5398
Gleba, Yu. Yu. 29, 1122, 1266, 5398
Gleddie, S. C. 4960
Gleeson, P. A. 4403
Glick, B. R. 1138, 1639
Gliedt, D. W. 5365, 6605
Glimcher, L. H. 1745
Glimelius, K. 2210, 3318, 3870, 4961, 6700
Glimp, H. A. 3770
Gliniak, B. 2330
Glover, B. J. 6299
Glubokov, A. I. 6062
Glushka, J. 1640
Gmitter, F. G., Jr. 1688
Goad, D. W. 4761, 6504
Goate, A. 1939
Gobbetti, M. 4347
Göbel, U. 3156
Goday, A. 4614, 4653
Goddard, A. 5059
Goddard, J. M. 1195
Goddard, N. J. 1805, 3791, 6101
Goddard, P. J. 6058
Goddijn, O. J. M. 1889, 2357, 4639
Goderis, I. 6135
Godfrey, P. 4127
Godin, B. 992
Godke, R. A. 2129
Godo, T. 1060
Godon, C. 5102, 5485
Godowski, P. J. 5059
Godwin, I. 1109, 1698
Godwin, I. D. 6519
Goebel-Tourand, I. 2090
Goethe, J. W. 5783, 5823
Goetting-Minesky, P. 320
Goetz, F. W. 6042
Goffinet, B. 2004, 6465
Goffreda, M. 870
Gogala, N. 3705
Gogolin-Ewens, K. J. 656, 1208
Gogorcena, Y. 1011, 1979
Goh, C. J. 1817, 4024, 4838
Goh, S. H. 1420
Goicoechea, P. G. 4166, 5872
Gokulapalan, C. 4913
Gold, D. P. 3984
Gold, J. R. 4672
Gold, S. E. 89
Goldbach, R. 1722, 3367
Goldbach, R. W. 1706
Goldberg, E. 6597
Goldberg, E. H. 4144
Goldberg, R. A. 1618, 1638
Goldberg, R. B. 1890, 6699
Goldberger, O. A. 669
Goldburg, R. 3
Goldenberg, D. M. 2565
Goldenberg, S. 2286
Goldenring, J. R. 5728
Goldfarb, B. 3858
Goldfinger, N. 5714
Golding, T. S. 2290
Goldman, D. 2024
Goldman, I. L. 4710, 6527
Goldman, M. H. S. 6699
Goldman, N. 6330
Goldman, S. 6447
Goldmuntz, E. A. 1938, 3592, 4136
Goldner-Sauve, A. 3057
Golds, T. J. 3184
Goldsborough, A. S. 784
Goldsbrough, A. 6377
Goldsbrough, A. P. 2822, 4399
Goldsbrough, P. B. 2272, 4619, 5712
Goldspink, G. E. 5353
Goldstein, A. 3441, 5084
Goldstein, I. J. 1249
Goldstein, J. L. 633, 759
Goldstein, S. A. 2229
Goldsworthy, M. 3051
Golenberg, E. 1795
Golenberg, E. M. 5327
Golino, D. A. 3373
Golinskiĭ, G. F. 6163
Gollin, M. A. 5453
Goloubinoff, P. 6571
Goltzman, D. 6237
Golubowicz, S. 2304
Golueke, P. 4787
Gómez, C. 5259
Gomez, M. 4204
Gomez-Brunet, A. 4332
Gomez-Sanchez, C. E. 4528
Gomi, H. 3442
Gomolka, M. 2497
Goncalves, P. B. 2120
Gönczöl, E. 4937
Gonda, T. J. 3668
Gong, J. G. 2675
Gong, M. L. 24
Gong, X. S. 209
Gong, Y. Z. 5145
Gong, Z. M. 4806
Gong, Z. Z. 1292
Gonseth, C. L. 3234
Gontier, E. 4453
Gonzales, J. C. 879
González, A. 4882
Gonzalez, B. Y. 5743
Gonzalez, D. H. 210
González, E. L. 4167
Gonzalez, F. J. 4585
González, I. 4225, 4766, 4769
González, J. M. 1754, 4168
Gonzalez, P. 3943
González, S. A. 4977
González-Benito, M. E. 6641
González de la Peña, M. A. 2942
González de León, D. 3632, 5274, 5287
González-Fernández, A. 3328
González-Hidalgo, E. 2838
Good, A. G. 4902
Goodband, R. D. 2685
Goodbody, K. C. 743
Goodchild, J. 4938
Goodenough, P. W. 1827
Goodfellow, B. J. 6204
Goodfellow, P. 767
Goodfellow, P. N. 1850, 2552
Goodger, B. V. 62, 4229
Goodin, M. M. 3033
Gooding, C. 6342
Gooding, C. M. 3150
Goodlove, P. E. 1723
Goodman, B. J. 6090
Goodman, H. M. 1288, 2374, 2946, 3548, 5129, 6334, 6399
Goodman, M. M. 380
Goodman, R. 1184, 1640, 3905
Goodman, R. M. 1159-1160
Goodrich, J. A. 5244
Goodrich, W. J. 4198
Goodwin, D. C. 2562
Goodwin, G. H. 5155
Goodwin, P. B. 4953
Goodwin, P. M. 4746
Goossens, M. 1304
Gootwine, E. 891
Gopalkrishnan, K. 4258
Gor, D. 4369
Gorbea, C. M. 5575
Gordeĭ, I. A. 503
Gordon, A. C. 2069
Gordon, A. J. 291
Gordon, D. F. 1953
Gordon, I. 5402
Gordon, J. 5731
Gordon, J. I. 33, 592, 5758
Gordon, J. W. 2225
Gordon, M. K. 680
Gordon, M. P. 1251, 3388
Gordon, S. 184
Gore, S. L. 3486
Goreux, A. 2631
Gorin, F. A. 668
Gorin, M. B. 1211
Görlach, A. 1518
Görlach, J. 1803-1804, 4000, 5797
Görlich, D. 2898
Gorman, J. A. 2829
Görnhardt, B. 2777
Gorodecki, B. 5444
Gorski, D. H. 2323
Gorski, J. 1852, 2400
Gosal, S. S. 1551, 1569, 1585, 5994
Gosden, J. R. 6750
Gosden, R. G. 4404
Gosling, J. P. 4232, 4370
Gosling, P. G. 4652
Gosselin, A. 1575
Gossen, J. A. 3664
Gossen, M. 3844, 4654
Gossler, A. 2203
Goswami, S. K. 5767
Goswami, U. 6043
Goto, J. 3514
Goto, K. 4781
Goto, M. 5971
Goto, N. 1964, 2524, 4126, 5252, 5862
Goto, R. 4138, 5253
Goto, R. M. 5863
Goto, Y. 1519
Gotoda, T. 5509
Gotoh, Y. 2369
Gottesman, M. 4574
Gottesman, M. M. 2286
Gotthardt, R. 1210
Gottlieb, L. D. 1836
Gottschalk, L. R. 642
Gottstein, B. 4231
Goudarzi, K. 1395, 1400
Gough, R. H. 4348
Gouilleux, F. 3987
Gould, E. A. 3881
Gould, K. A. 366, 1937
Gould, M. N. 6158
Goulden, M. G. 110, 3889
Goulding, D. 6063
Goulding, M. D. 2990
Goullet, P. 1499
Gounari, F. 665
Gourdji, D. 5339
Goureau, A. 3079
Goustin, A. S. 956
Gouyon, B. de 904
Gouyon, P. H. 1971, 4361
Goy, P. A. 1184, 1640, 3905
Goyal, S. M. 1487
Gözen, A. 2198
Gozu, Y. 1736, 3185
Gözükırmızı, N. 383
Graaff, A. de 2363
Grabau, E. A. 1244, 4554, 6528
Grabel, L. B. 2402
Grabowski, R. 5093
Grace, K. S. 2943
Graczyk, T. K. 3142
Graef, G. L. 4178
Graessmann, A. 5123
Graessmann, M. 5123
Graeve, K. 4001
Gräf, U. 1779
Graham, E. T. 4272
Graham, G. C. 6537
Graham, G. I. 5890
Graham, I. A. 5798
Graham, J. 6529
Graham, S. W. 1795
Grail, A. 1145
Grail, D. 3876
Grailhe, R. 2909
Grain, F. 3593
Grainger, D. J. 6161
Graml, R. 6494
Grandbastien, M. A. 1243, 4640
Granell, A. 287
Graner, A. 2854
Granner, D. K. 788, 4590
Granovsky, M. 4741
Grant, C. E. 5729
Grant, D. 380, 5891, 6511
Grant, D. F. 5576
Grant, F. D. 2225
Grant, F. J. 6236
Grant, K. L. 2327
Grant, M. 6378
Grant, M. E. 3958
Grant, N. J. 2092
Grant, R. A. 3483
Grant, S. R. 2447
Grant, W. F. 6515
Graphodatsky, A. 892
Gräser, Y. 1144
Grasser, K. D. 292, 1256, 4083
Graur, D. 1768
Graves, C. N. 2120
Graves, P. N. 1858
Graves, P. R. 183
Graves, P. V. 5769
Graves, R. A. 44, 3003
Gray, A. 1943
Gray, A. I. 4463
Gray, A. J. 6111
Gray, B. W. 3240
Gray, D. J. 468, 2091
Gray, G. D. 881
Gray, G. S. 3400, 4965
Gray, J. 1278
Gray, J. C. 4011
Gray, J. E. 1279, 4556, 6379
Gray, J. W. 3610
Gray, L. E. 6533
Gray, M. W. 1248, 6520
Gray, S. 1109
Graybosch, R. 957
Graybosch, R. A. 4722
Grebenjuk, V. A. 3954
Greco, I. 2302
Greco, R. 5523, 5914
Greco, T. L. 3940
Green, A. 5694
Green, A. R. 253
Green, B. 4541
Green, B. R. 5799
Green, C. D. 6380
Green, D. G. 6160
Green, D. K. 5945
Green, G. 525
Green, H. 2891
Green, J. M. 2320, 2908
Green, M. R. 5165, 5245
Green, P. J. 1338, 2963, 3031, 3572, 5207
Green, R. D. 5248
Green, R. M. 6176
Green, R. S. 5019
Green, S. J. 4999
Green, S. K. 2586
Greenberg, B. M. 1138
Greenberg, N. M. 4407
Greenburg, G. 4493
Greene, A. E. 3363, 6728
Greene, E. 1112
Greene, M. I. 2888
Greene, M. J. 5182
Greene, W. K. 1146
Greenland, A. J. 1829
Greenwald, G. F. 5520
Greenwood, A. 115

Greenwood, J. 4383
Greenwood, P. E. 1591
Greer, A. F. 3471
Greer, C. 2703
Gregersen, P. L. 4002, 6250
Gregerson, R. 227, 1464
Gregerson, R. G. 1257, 1617, 1640, 2448, 6270
Grégoire, A. 4387
Gregor, P. 3460
Gregorio, P. di 912
Gregoriou, M. 5189
Gregorius, H. R. 1624
Grégory, N. 4106
Greidziak, N. 4445
Greig, K. 6529
Greiner, R. A. 5493
Grellet, F. 211, 1797, 1807, 4003
Grelon, M. 6072
Grenier, E. 1010
Gress, T. 357
Gressel, J. 6103, 6116
Gresshoff, P. 560
Gresshoff, P. M. 1107, 1343, 1640, 2541, 6036, 6539, 6570
Greve, L. C. 1328
Greve, T. 1520, 2051, 5968
Grevelding, C. 1674
Grewal, H. S. 1585
Grewe, P. M. 4128
Grèzes, J. 4259
Gribaudo, I. 1056
Gribbin, C. 2232
Grieder, F. B. 5520
Grienenberger, J. M. 210
Grierson, C. 5208
Grierson, D. 1278-1279, 4539, 4556, 5646, 6379
Griesbach, R. 2301
Griesbach, R. J. 2212
Griess, E. A. 292, 4083, 5644
Grieve, D. G. 2689
Griffin, A. M. 1641, 6751-6752
Griffin, H. G. 1641, 6751-6752
Griffin, J. W. 2242
Griffiths, D. 3262
Griffiths, E. 5452
Griffiths, J. B. 5459
Griffiths, L. 2052
Griffiths, R. 5250
Griffiths, T. D. 5770
Griggs, R. 2999
Grigoriadis, A. E. 1746
Grill, E. 5118
Grill, L. K. 3856
Grima-Pettenati, J. 4538, 6302
Grimaldi, G. 3125
Grimaldi, J. C. 3435
Grimaldi, P. 819
Grimaldi, P. A. 5564
Grimes, H. D. 1339, 6018
Grimes, J. 1125
Grimes, S. M. A. 6620
Grimm, C. 5522
Grinberg, A. 3404
Grindlay, G. J. 141
Gripon, J. C. 5939
Grisel, D. A. 1870
Grisham, M. P. 432
Grisvard, J. 1887, 4152
Griswold, M. D. 5029
Gritsun, T. S. 3881
Grivet, L. 5274
Grocholová, R. 4307
Grodzinskiĭ, D. M. 480, 2635
Grodzinsky, D. M. 2635
Groen, A. F. 5246
Groen, A. K. 1748
Groenen, M. A. M. 3588, 4038, 4687
Gröger, D. 3727
Grognet, J. M. 4765
Grohmann, L. 5794, 6381
Grohs, C. 6485
Grondhuis, P. 1365
Gronenborn, B. 6185
Groner, B. 3987, 5184
Grönvik, K. O. 414
Grooms, L. 3299
Groose, R. W. 2627
Groot, L. E. G. M. de 1503
Groot, M. J. A. de 1114
Groot, N. de 2395
Groot, R. P. de 785
Grootenhuis, J. G. 6173
Groover, A. T. 6507
Gros, P. 3608
Grosclaude, F. 5746
Grosdemange, F. 3218
Grosfeld-Stulemeyer, M. C. 3595
Gross, M. L. 590
Gross, U. 4425
Grosschedl, R. 6340
Grosse, W. M. 2512-2519, 3603, 4132, 6451
Grosser, J. W. 26, 1688, 2217
Grossi, M. 2001
Grosskopf, E. 293
Grossmann, K. 3311
Grossmann, M. 4048
Grossmann, M. E. 5146
Grosveld, F. 2391
Grosveld, G. 1772
Grosz, M. D. 4119, 6232
Grotewold, E. 2358, 5800
Groth, D. 593, 2832, 3873
Groth, D. M. 4673
Groudine, M. 5325
Grover, A. 545, 4355
Gruber, F. 2315
Gruber, M. Y. 1110
Gruenbaum, Y. 5167
Gruffydd-Jones, T. J. 1145
Gruissem, W. 731, 2478, 3488
Grula, J. W. 843
Grumbles, R. M. 4494
Grumet, R. 101
Grummt, F. 5141
Grumont, R. J. 5042
Grundboeck, J. 416
Grundboeck-Juško, J. 1488
Grunder, A. A. 2577
Grupen, C. 3163
Grusby, M. J. 1745
Gruss, P. 2392, 2990, 4586
Grynkiewicz, G. 604, 3903
Gu, F. 1946, 3072, 3599
Gu, H. 614, 5007, 6208
Gu, H. Y. 557
Gu, J. Y. 384, 4014
Gu, Q. 231, 5059
Gu, Q. N. 232
Gu, Y. Q. 5313
Gualberto, A. 5764
Guan, H. P. 6382
Guan, X. L. 6627
Guan, Y. L. 461
Guardiola, M. L. 4186, 4990
Guarente, L. 2862
Gubenšek, F. 5072
Gudas, L. J. 2287
Gudin, S. 3411
Gudkov, A. V. 5328
Gudmundsdottir, S. 2578
Guémené, D. 2273
Guénet, J. L. 878, 1397, 1952
Guengerich, F. P. 5589
Guerche, P. 1714, 2271
Guérin, G. 3594, 3620, 4674-4675
Guérin, S. L. 4039
Guerineau, F. 6142
Guerinot, M. L. 5132
Guern, J. 6137, 6418
Guerre-Millo, M. 4759
Guerrier, D. 1807, 5115
Guertin, M. 3504
Guest, P. C. 2992
Guevara-García, A. 294
Gui, Y. 4260
Guidasci, T. 121
Guiderdoni, E. 6051
Guignard, J. L. 4481
Guilfoyle, T. J. 5222, 5822
Guillemare, E. 2883
Guillemot, F. 1194
Guillier, M 4501
Guiltinan, M. 4116
Guimarães, I. 6649
Guirao, A. 5104
Guise, K. S. 6129
Guittet, M. 2038
Guitton, M. C. 4571
Guivarc'h, D. 2929
Gukovsky, I. 5163
Gulati, A. 624, 3929, 6628
Gulick, P. J. 1886, 4004, 5645
Gull, K. 2028
Gulli, M. 2175
Gulve, E. A. 5506
Gum, J. 5079
Gümüşel, F. 383
Gunasekera, D. 1340
Gundersen, K. 5946
Gunn, N. 6197
Günther, E. 191, 3988
Gunther, E. J. 153
Günzburg, W. H. 1104, 5474
Guo, D. P. 996
Guo, F. X. 4323
Guo, J. C. 5995
Guo, L. 798
Guo, W. 385, 5730
Guo, X. J. 3555
Guo, Y. 5801
Guo, Z. C. 2640
Guo, Z. J. 469, 5996
Gupta, A. S. 3789
Gupta, N. K. 840
Gupta, S. 840, 5394
Gupta, S. C. 1055
Gupta, S. K. 1212
Gupta, V. S. 6548
Gürel, A. 3760
Gürel, F. 383
Gurevich, M. 1521, 2122
Gurr, S. J. 3911
Gurtmann, I. 263
Gurtoo, H. L. 3945
Gusakovskaya, M. A. 6682
Gusta, L. V. 6715
Gustafson, G. A. 3144
Gustafson, J. P. 1839, 2008, 4166
Gustafson, M. E. 3806
Gustafson, R. A. 3683
Gustafson, T. A. 5577
Gustafson, V. D. 6686-6687
Gustafsson, H. 5374, 6067
Gustafsson, J. Å. 663, 3007
Gustafsson, K. 1773, 3944
Gustafsson, L. 6530
Gustafsson, P. 6530
Gustafsson, U. 3609, 4124
Gustavsson, H. O. 3570, 6383
Gustavsson, I. 1935, 1946, 2499-2500, 3072, 3599, 6462-6463
Gut-Rella, M. 1159-1160, 2851
Gutafsson, K. 1771
Guthrie, H. D. 2676
Gutiérrez, A. 2665, 5425
Gutierrez, C. 2838
Gutman, M. 3074
Guy, C. L. 5091, 6286, 6350
Guy, C. T. 3329
Guyden, J. 2563, 2744
Guyer, D. 6317
Guyomard, R. 4125, 6490
Guzmán, M. L. 1574
Guzmán, P. 1997
Gwakisa, P. S. 6467
Gwaltney, S. M. 1496
Gwatkin, R. B. L. 2739
Gwazdauskas, F. C. 3324, 3693, 4243, 4883, 5967, 6669
Gygi, D. 65
Gyulai, G. 2651, 4845
Gyurján, I. 4896
Ha, D. T. C. 293
Ha, Y. W. 4279
Haag-Kerwer, A. 1974
Haak, I. C. 6537
Haak-Frendscho, M. 4492
Haake, D. A. 2826
Haan, N. A. de 1409
Haan, P. de 1706, 1722
Haaren, M. J. J. van 1258, 1375
Haas, D. W. 183
Haas, M. 3058
Haas, N. A. 3500
Haas, N. B. 178
Haas, S. 5731
Haas, W. 5550
Haas, Y. 1782
Habben, J. E. 1891
Haberlach, G. T. 3869
Habgood, J. 1091
Habib, G. M. 5183
Habib, S. L. 3945
Habu, Y. 3554
Hachtel, W. 1275
Hack, E. 3019
Hackauf, B. 5431
Hacker, A. 767
Hacker, J. B. 2190
Hackett, A. J. 3246
Hackett, C. A. 3629, 4154
Hackett, P. B. 590
Hackett, W. 4835
Hackett, W. P. 6414
Hadar, Y. 6203
Hadar, Z. 5444
Hadfi, K. 2778
Hadfield, K. A. 1892
Hadiuzzaman, S. 2653
Hadwiger, L. A. 4982
Haeggström, J. Z. 1233
Haehnel, W. 4084
Haendler, B. 675
Haesebrouck, F. 65
Haeseler, A. von 4221
Haffray, P. 4750
Hafne, A. L. 965, 2121
Hagag, N. G. 6753
Hagedorn, C. H. 183
Hagège, D. 4085
Hagel, C. 4388
Hageman, J. M. 3371
Hagemann, R. 2449
Hagen, F. K. 5578
Hagen, F. S. 2334, 6236
Hagen, G. 5222, 5822
Hagenbuch, B. 2325
Hagger, C. 2505
Hagimori, M. 1686
Hagino, Y. 2916
Hagiwara, N. 5150
Hahlbrock, K. 22, 1182, 3904, 4082, 4544, 5526, 6410
Hahm, K. 666
Hahn, A. W. A. 2897
Hahn, G. 4768
Hahn, J. 1513, 2602, 4848
Hahn, K. O. 6064
Hahn, R. 5369
Hahn, S. K. 935
Hahne, G. 4394, 5984
Hahnen, J. 914
Haïcour, R. 3197, 6629
Haider, I. 6705
Haider, S. 6065
Hain, R. 3364
Haines, R. J. 1755, 2750
Haipek, C. 2768
Haissig, B. E. 1251
Hajdu, M. A. 5967
Hajela, N. 1675
Hajela, R. K. 1675
Hajihosseini, M. 5473
Hajirezaei, M. 5209
Hajiro, K. 4478
Håkansson, G. 6700
Hake, S. 340, 1832, 1928, 5223
Hakman, I. 4817
Halachmi, S. 3402
Halbrendt, C. K. 3280
Haldeman, B. A. 2334
Hale, A. 464
Haley, C. 2492
Haley, C. S. 2492, 3077, 6468
Haley, S. D. 6181-6182
Halford, N. G. 1325, 4421
Halfter, U. 309, 3857
Halim, A. H. 1028
Hall, C. R. 4494
Hall, D. 2246
Hall, D. R. H. 6696
Hall, G. 3262
Hall, J. 2804
Hall, J. B. 4893
Hall, L. 5597

Hall, L. N. 5646
Hall, M. 1117
Hall, R. B. 1173
Hall, R. D. 4281
Hall, T. C. 233
Halldén, C. 5280
Halle, E. 1144
Halle, J. P. 939
Hallet, J. N. 1984
Hällgren, J. E. 3792, 5811
Halmekytö, M. 35, 585, 3336, 4968
Halteman, W. A. 5009
Halter, R. 1694
Halverson, J. L. 4129
Halvorson, D. A. 1486-1487
Halward, T. 3635
Ham, R. C. H. J. van 4711
Hama, T. 3687-3688
Hamada, H. 2857, 4454
Hamada, T. 1127, 6280
Hamaguchi, I. 5050
Hamaguchi, Y. 4063
Hamamoto, T. 5057
Hamana, K. 6609
Hamann, A. 3333
Hamann, L. 615
Hamano, S. 5379
Hamasuna, S. T. 5106
Hamazato, F. 2987, 3515
Hamblin, M. W. 2911, 5757
Hameister, H. 913, 3582
Hamel, A. 691
Hamel, C. P. 5579
Hamel, D. 3504
Hamelin, J. 189
Hamelin, R. C. 1510
Hames, B. D. 5461
Hamill, J. D. 3396
Hamill, S. D. 470
Hamilton, D. A. 2377, 6321
Hamilton, N. D. 2184
Hamm, D. Mills 1201
Hammatt, N. 2092
Hammer, P. 4768
Hammer, R. E. 616, 6160
Hammer, R. H. 2222
Hammerlindl, J. K. 3018
Hämmerling, G. J. 1779
Hammerschlag, F. A. 2303, 2305, 2735, 4273, 5008
Hammock, B. D. 5576, 6279, 6313
Hammond, B. G. 3807
Hammond, C. M. 5076
Hammond, J. 2212, 2259
Hammond, K. 4380
Hammond, M. L. 4746
Hammond-Kosack, K. E. 3901, 4712
Hammond-Kosack, M. C. U. 295, 4086
Hampikian, G. 2861
Hampson, R. K. 5185
Hampton, R. O. 3672
Hamrick, M. 709
Han, B. 1165
Han, B. K. 5869
Han, C. D. 4087
Han, H. Y. 6461
Han, I. S. 4116
Han, J. Y. 6129
Han, K. H. 3388
Han, P. L. 4187
Han, S. H. 558
Han, Y. F. 3378
Han, Y. M. 960, 1137
Han, Y. N. 3378
Han, Y. Z. 2704
Han, Z. 408
Hanada, H. 2050, 5066
Hanafey, M. K. 2002
Hanagata, N. 997, 5542
Hanahan, D. 2219, 2992
Hanaoka, K. 2811, 2988
Hanaoka, S. 4819
Hanas, J. S. 1780
Handa, A. K. 1803, 6373
Handa, H. 1341, 2680
Handa, T. 2786
Handro, W. 2874
Haneji, T. 786
Hanekamp, J. S. 3113
Hanenberg, A. 2093
Hangarter, R. P. 4656, 5679
Hanger, L. A. 468
Hanke, D. E. 2445
Hanley, T. A. 2827, 5946
Hanna, R. D. 1173
Hanna, S. 3516
Hannah, L. C. 729, 4106, 5796, 6366
Hannan, G. N. 2761
Hannappel, U. 4421
Hannigan, G. M. 408
Hannum, C. 5043
Hannus, R. 927, 3348
Hanoune, J. 249
Hanrahan, V. 1401, 1413, 4147
Hans, F. 1712, 1726, 4980
Hansbrough, J. R. 33
Hänsel, H. 3195
Hansen, A. L. 6683
Hansen, C. 5412
Hansen, G. 287, 296
Hansen, H. J. 2565
Hansen, J. 2643
Hansen, L. N. 5388
Hansen, R. D. 2827
Hansen, T. H. 2529
Hansen, T. N. 2235
Hanson, A. D. 6419
Hanson, J. 2814
Hanson, K. 6218
Hanson, K. K. 3370
Hanson, M. R. 1247, 1284, 3546, 5802, 6298
Hanson, R. W. 581, 2240, 3304, 4933
Hansson, L. 4408
Hanzer, V. 2846
Haouazine, N. 1893, 5903
Haq, A. K. 3057
Hara, C. 6271, 6716
Hara, M. 1734
Hara, T. 5044, 6007
Hara-Nishimura, I. 1894, 2359, 5703
Harada, H. 1023, 1686, 4017, 4999, 6212
Harada, J. J. 4655
Harada, K. 852, 5893
Harada, N. 3435
Harada, T. 28, 394, 1567
Harano, K. 1735
Harata, M. 2338
Harberd, N. P. 4198, 5679, 6436
Harbers, K. 615
Harbinson, J. 6116
Harbitz, I. 1944-1945, 2499, 6463
Harbour, D. A. 1145
Hardegger, M. 6323
Hardenack, S. 2447
Harder, D. E. 6177
Hardin, M. D. 6080
Hardin, S. H. 233, 3886
Harding, K. 1090, 6630
Harding, P. A. 5569
Harding, S. A. 5803
Hardison, R. C. 236
Hardy, T. 313
Harel, E. 5536
Harel-Markowitz, E. 1521, 2122
Hareven, D. 4018, 4104
Hargis, B. M. 1477
Hargreaves, J. 3911
Harigai, T. 4053
Harindranath, N. 660
Harker, A. R. 2693
Harkins, M. 5433
Harlan, D. M. 4965
Harlow, G. R. 4205
Harman, K. W. 6341
Harmar, A. J. 1315, 4504
Harms, J. S. 3946
Harn, C. 4615
Harney, J. W. 2871
Haro, D. 4057
Haroon, S. A. 471
Harp, R. 6595
Harper, S. R. 3786
Harrabi, M. 1561
Harrell, R. C. 1549
Harrell, R. M. 6066
Harrington, R. 3325
Harris, C. 5472
Harris, J. 4527
Harris, P. J. C. 1039
Harris, S. A. 3654
Harris, T. S. 440
Harris-Haller, L. 5711
Harris-Haller, L. W. 233, 3886
Harrison, B. 3063
Harrison, D. 5947
Harrison, D. G. 2889
Harrison, G. E. 4169
Harrison, J. R. 5740
Harrison, K. 3901, 4191, 6553
Harrison, L. C. 1692
Harrison, M. J. 1332, 1818, 5804
Harry, I. S. 4818
Harry, J. L. 2986
Harsh Raman 3899
Harst-Langenbucher, M. 1057
Hart, C. M. 3040, 5534
Hart, E. R. 1173
Hart, G. E. 1977, 5281-5282
Hart, G. L. 6477
Hart, H. 't 4711
Hart, L. 301, 1676
Hart, L. 't 1676
Hart, P. J. 5045
Hart, S. L. 4384
Harter, K. 297, 5805
Hartikka, J. 2767
Hartings, H. 4015, 4557, 4996
Hartitz, M. 581
Hartl, L. 1980
Hartl, M. 1234
Hartl, P. 4964
Hartley, J. L. 5329
Hartmann, C. 4088, 5293
Hartmann, E. 2898
Hartmann, T. 3700
Hartnell, G. F. 2686
Hartog, M. V. 1799
Hartung, J. S. 5904
Harushima, Y. 5911
Harvan, M. 421, 1506
Harvengt, L. 2947
Harvey, A. J. 4094
Harvey, B. M. R. 6631
Harvey, R. J. 3517
Harvey, R. W. 2683
Harwood, A. J. 6754
Harwood, W. 3852
Hase, A. 2094
Hasebe, M. 5105
Hasegawa, H. 718
Hasegawa, K. 6546
Hasegawa, M. 3424
Hasegawa, P. M. 1912, 2272, 2720, 2856, 2931, 3414, 3568, 5626, 5672
Hashimoto, N. 4139, 6209
Hashimoto, T. 3389, 4551, 5046, 5649, 5670, 6276
Hashiyama, M. 5050
Hashizume, T. 5892
Haskell, D. W. 5091, 6350
Haskins, K. 2227
Hasomi, K. 501
Hassan, M. 2260
Hassanane, M. S. 1935, 1946
Hassawi, D. 4165
Hassell, J. R. 659
Hassl, A. 129
Hasty, P. 2247, 2863, 3405, 3927
Hata, J. I. 3010
Hata, S. 793
Hatada, I. 5147
Hatae, T. 583
Hatakeyama, K. 658
Hatamochi, A. 3518
Hatano, H. 1188
Hatano, M. 5497
Hatano, N. 4676
Hatano, S. 6056
Hatano, Y. 786
Hathcock, K. S. 3400
Hattori, E. 2913
Hattori, J. 3916, 6384
Hattori, K. 982
Hattori, M. 3884
Hattori, S. 3955, 5595
Hattori, T. 5106, 6315
Hatzopoulos, P. 3558, 6311
Hau, T. L. 353
Hauffe, K. D. 298
Haugen, H. S. 43
Haughn, G. 4439
Haughn, G. W. 4631
Hauschka, S. D. 3327
Hause, B. 4876
Hause, G. 4876
Hauser, H. 1103
Hauser, S. D. 1954
Häusler, E. 149
Hausner, G. 105
Hauswirth, W. W. 257, 3434
Hautea, R. 3895
Havekes, L. M. 38, 362, 1772
Havel, J. 2705
Havelange, A. 1877
Havre, P. A. 153
Havukkala, I. 5666
Hawk, H. W. 4782, 4857, 4885
Hawke, L. 1136
Hawkins, G. A. 4119
Hawkins, H. K. 2575
Hawtrey, A. O. 4762
Hayakawa, T. 50, 858
Hayasaka, M. 2811, 2988
Hayashi, H. 4819
Hayashi, I. 5580
Hayashi, M. 976, 2628, 3353, 5893
Hayashi, T. 4455, 4473, 5543, 6469
Hayashida, N. 2369, 5113
Hayashizaki, Y. 4676, 5152
Hayenga, M. L. 4359
Hayes, H. 893
Hayes, H. C. 1947
Hayes, P. 5290
Hayes, P. M. 3636, 5525, 5632
Hayes, W. P. 5139
Haynes, J. R. 2207
Hays, M. P. 1496
Haysom, H. R. 5268
Hayward, M. 45
Hayward, M. D. 1642
Haza, A. I. 4769
Hazelwood, G. P. 2804
Hazra, S. 6618
Hazuka, C. D. 5567
Hdider, C. 998
He, B. X. 1186
He, C. J. 4632
He, D. G. 3223
He, G. P. 3009
He, L. Z. 6689
He, N. 4979
He, S. C. 6542
He, S. X. 5553, 6038
He, X. 2276, 5162
Head, I. M. 2882
Head, W. D. 3771
Headon, D. R. 2167, 4878
Healey, P. 5008
Healy, J. 1981
Healy, L. E. 784
Healy, P 1482
Heard, D. J. 4089
Heard, J. M. 2758, 3352
Heath, A. W. 3435
Heath, C. M. 5155
Heath, D. D. 5330
Heath, L. C. 2095, 6146
Heath, M. C. 310
Heber, U. 6369
Heber-Katz, E. 3981
Heberle-Bors, E. 1289, 3195, 5677, 6301
Hébert, D. 14
Hebert, S. C. 3426
Heble, M. R. 3386
Hecht, U. 6431
Hedde, L. 6761
Hedemand, J. E. 898

Hediger, M. A. 2926, 3426, 5038
Hedrén, M. 1795
Hedrich, H. 1773
Hedrick, H. B. 1601, 2686
Hedrick, L. A. 1895
Hedrick, S. M. 2294
Heeren, R. A. 3806
Heersche, G., Jr. 2155
Heeschen, W. 4226
Hegamyer, G. 2570
Heh, M. H. 517
Heid, H. 2899
Heidekamp, F. 2140, 3361
Heidenreich, R. A. 667
Heidmann, I. 5832
Heidstra, R. 629-630
Heijden, J. van der 5736
Heijden, R. van der 4471
Heikkila, J. J. 1456
Heim, S. 2093
Heim, U. 1896, 5647
Heimer, E. P. 2683
Heimes, S. 5854
Hein, J. 6470
Heine, L. 191, 3988
Heineke, D. 6385
Heinfling, A. 5141
Heinhorst, S. 299, 1895
Heinisch, J. J. 1645
Heinlein, M. 3020, 6386
Heinlein, U. A. O. 2328
Heinrich, G. 678
Heins, L. 5634
Heintzen, C. 4110, 5107
Heinze, B. 5851
Heipel, M. D. 6236
Heiser, W. C. 6130
Heissler, M. 4920
Heistek, J. C. 4775
Heitland, A. 5058
Heitz, T. 4005
Heitzler, J. 3254
Heizmann, P. 2678
Held, B. M. 851
Held, J. A. 1593
Held, W. 586
Helden, P. van 6582
Heldens, J. 4630
Heldt, H. W. 6385
Hélène, C. 4212
Helentjaris, T. 5648, 5894, 5908, 5931-5932
Helfman, D. M. 5730
Helgason, S. 2578
Helgeson, J. P. 3867, 3869, 6642
Hell, R. 731
Hellemann, A. L. 909
Hellens, R. P. 3995
Heller, D. 3074
Heller, E. D. 3605
Heller, M. 1483
Hellyer, A. 1816
Helman, T. 889
Hemerly, A. S. 2450
Hemken, R. W. 2155
Hemleben, V. 352, 5269
Hemmat, M. 5856
Hemmi, S. 4040, 6214
Hemming, B. C. 538
Hemmings, B. A. 2311, 2907
Hemmingsen, S. M. 347
Hen, R. 2909
Henderson, E. 1851, 6345
Henderson, J. T. 4677, 4682
Henderson, L. M. 142
Hendrick, C. A. 3019
Hendrickx, J. 360
Hendriks, T. 5852, 6035
Hendriksen, P. J. M. 1045
Hendry, G. 3833
Hendy, M. D. 4206
Hengartner, H. 4965
Hengst, L. 5093
Hennecke, H. 167
Hennessey, K. 1936
Henney, P. J. 2520
Hennies, H. C. 179
Hennig, J. 300, 604, 3903
Hennighausen, L. 4966
Henning, K. A. 3655
Henning, S. J. 1391
Henricks, D. M. 5360
Henricot, B. 5127
Henriksen, A. 4108
Henriksson, J. 53
Henrique, D. 266
Henry, H. 4668
Henry, H. M. 1402, 1411
Henry, J. P. 5157
Henry, R. J. 2012, 6537
Henry, S. T. 2706
Henry, Y. 2139, 4088
Hensen, E. J. 3595
Hensgens, L. A. M. 301, 1676, 1918, 3312, 4288
Hensold, J. O. 5574
Henson, J. M. 427
Henstrand, J. M. 1803
Hepkema, B. G. 3595
Her, S. 828
Herber, W. K. 1187
Herbert, D. C. 4050
Heredia, O. 5273
Herich, J. 632
Herman, G. E. 879, 883
Herman, L. 2579
Hermans, I. F. 3596
Hermsen, J. G. T. 6126
Hernández, C. 1713
Hernández, G. 560, 995
Hernandez, P. 4225
Hernández, P. E. 4766, 4769
Hernández-Calzadilla, C. 3943
Hernandez-Ledezma, J. J. 961, 1522
Hernández-Rodríguez, S. 4772
Hernández-Yago, J. 739
Hernould, M. 5769
Héron, J. N. 296
Hérouart, D. 4616
Herr, C. 2053
Herren, B. 3947
Herrera-Estrella, L. 294, 1170, 1291, 2843, 3579, 6326
Herrick, K. R. 668
Herrin, D. 6367
Herrler, A. 5422
Herrmann, B. 4371, 5332
Herrmann, B. G. 251
Herrmann, D. 1694
Herrmann, K. M. 1803
Herrmann, R. G. 929, 2176, 2548, 4084, 4095, 4102, 4623
Herron, P. R. 2193, 2734
Herschman, H. R. 6337
Herscovics, A. 5047
Hershberger, R. P. 123
Hershfield, B. 894
Hershman, A. 3806
Hertelendy, F. 6068
Hertig, C. 261
Hervé, C. 1714
Hervieu, F. 535, 6701
Herz, J. 616
Herz, U. 5794, 6381
Herzog, D. P. 450
Herzog, M. 3456
Heslop-Harrison, J. S. 164, 1439, 1992, 3029, 3084, 3852, 4019, 4151, 4169, 4713, 6506
Hess, H. 2899
Hess, J. 665
Hess, R. A. 6597
Hess, W. R. 302, 3021, 5773
Hesse, H. 2417
Hesse, T. 338, 1259
Hest, B. J. van 6471
Hetherington, P. R. 5997
Hetz, W. 292
Hetzel, D. J. S. 2516-2519, 3063, 3073, 4132, 4684, 6451
Hetzel, J. 3591
Heuchelin, S. A. 1173
Heun, M. 2006, 3085, 4723
Heurteaux, C. 6228
Hevroni, D. 2914
Hew, C. L. 3941
Hewedi, M. M. 4227
Hewetson, A. 794
Hewings, A. D. 433
Hewitt, G. M. 4537
Heydel, B. 4462
Heyer, W. D. 5022
Heyman, Y. 2045
Heyner, S. 2289
Heyningen, V. van 2666
Heyns, W. 652, 2984
Heyting, C. 3438
Hiatt, A. 1185
Hiatt, W. 2732
Hiatt, W. R. 325, 2459
Hibi, N. 5649
Hibi, T. 2370
Hibino, T. 5108
Hibler, D. 4527
Hickey, R. 3332
Hickford, J. G. 1398
Hickford, J. G. H. 1414
Hicks, G. R. 303
Hickson, R. E. 4214
Hidaka, H. 2913
Hiei, Y. 6143
Hiemisch, H. 186
Hiendleder, S. 361, 4681
Higashiguchi, S. 5649
Higashimoto, Y. 3948
Higashinakagawa, T. 4139
Higgins, C. M. 4976
Higgins, D. G. 752
Higgins, S. J. 5461
Higgins, T. J. V. 1363, 2095, 4976, 6146
Higgs, D. A. 6738
Higgs, D. R. 2237
Highett, M. I. 4207
Highkin, M. 5013
Hightower, R. 3900
Higo, H. 2950
Higo, K. 2950
Higuchi, I. 5048
Higuchi, M. 5732
Higuchi, R. 406
Higuchi, S. 3222
Higuchi, T. 5108
Higuti, T. 4507
Hihara, Y. 6271
Hikuma, M. 2695
Hilario, E. 2204
Hilberg, F. 3401
Hilbert, J. L. 3702
Hildebrand, D. 1613
Hilder, V. A. 2844
Hileman, R. E. 840
Hilgers, L. J. 2053
Hill, D. F. 1401, 4147
Hill, D. T. 2707
Hill, H. T. 1189
Hill, P. 1378
Hill, R. D. 1615, 5697
Hill, S. A. 3833
Hill, W. G. 3305
Hillard, M. A. 3248
Hille, J. 1375, 5838
Hillel, J. 447, 2805, 3053
Hillen, W. 4654, 5340
Hilliker, C. 3965
Hills, H. G. 1795, 1798
Hills, M. J. 2438
Hillyard, A. L. 2510, 6481
Hilson, P. 1260
Hilt, D. A. 1489
Hilton, M. G. 4456
Hilu, K. 2484
Hilu, K. W. 6531, 6541
Himmel, M. E. 6095
Himmel, P. T. 433
Himms-Hagen, J. 3333
Hinata, K. 5709
Hines, K. K. 5331
Hines, R. H. 2685
Hines, W. M. 5065
Hinkes, M. T. 669
Hino, O. 1965
Hinrichs, K. 1523
Hinsdale, M. E. 920
Hintz, R. L. 2686
Hiorns, W. D. 2882
Hippenmeyer, P. 5013
Hirabayashi, M. 5504
Hiraga, M. 143
Hirai, A. 853, 3490, 3638
Hirai, K. 1143
Hirai, M. 5892
Hirai, M. Y. 5226
Hiramatsu, K. 1504
Hirano, H. 740, 5707
Hirano, K. 3157
Hirano, M. 6088
Hirano, T. 2995, 3779
Hirao, I. 134
Hirao, Y. 6044
Hiraoka, S. 1403
Hirata, H. 2762
Hirayama, M. 5970
Hirayoshi, K. 1213, 1866
Hird, D. L. 1806
Hirel, B. 3932, 4070
Hiriart, J. B. 2837
Hirner, B. 1904, 2371
Hiro-oka, R. E. 4793
Hirochika, H. 1261, 4991
Hirochika, R. 1261
Hirokawa, N. 198, 259, 835
Hiromasa-Yagami, T. 2988
Hirose, K. 4676, 5152
Hirose, S. 2461
Hirose, T. 1262, 5857
Hirota, K. 3617
Hirotani, M. 4809
Hirotsune, S. 4676, 5152
Hirsch, A. M. 1359, 1815, 5017
Hirsch, H. J. 1820
Hirschberg, J. 4547
Hirst, B. H. 2804
Hirt, H. 5677, 6301
Hisatomi, Y. 4715
Hishinuma, F. 5078
Hishinuma, M. 4245, 4867
Hitoshi, Y. 2881
Hittmair, A. 4745
Hitz, W. D. 1293, 3268, 6272
Hiwada, K. 2915
Hixson, D. 244
Hizume, M. 6532
Hjortberg, M. 414
Hjorth, S. 6225
Hjortsberg, K. 2318
Hjortso, M. 2694
Hjortso, M. A. 4466
Hlinková, E. 5998
Ho, A. M. 682
Ho, A. S. Y. Y. 2324
Ho, J. Y. 3912
Ho, K. C. 2396
Ho, P. 1050
Ho, T. H. D. 304, 2475
Ho, Y. S. 2812
Hoare, S. A. 772
Hobbie, L. 6387
Hobbs, D. H. 2438
Hobbs, H. H. 2222
Hobbs, S. L. 843
Hobbs, S. L. A. 4069, 4395
Hoch, B. 850, 5816, 6294
Hoch, P. C. 6247
Hochberg, A. 2395
Hochi, S. 2119, 6596
Hock, B. 430
Hockenberry, T. N. 2211
Hockman, S. C. 5613
Hod, Y. 1131
Hodes, R. J. 3400
Hodge, R. 1806, 3776
Hodges, P. E. 4118
Hodgkinson, C. A. 34
Hodgkinson, S. C. 3769
Hodgman, T. C. 3950, 4344
Hodgson, C. P. 581
Hodgson, J. 5
Hodivala, K. J. 3926
Hodson, C. D. 3455
Hodson, R. G. 6066
Hoebee, B. 4208
Hoeben, R. C. 1665
Hoedemaeker, F. J. 305, 3479
Hoefnagel, M. H. N. 3712
Hoeger, C. 1782
Hoek, A. N. van 718
Hoekema, A. 574
Hoekman, M. F. M. 2991
Hoekstra, S. 2140

Hoelz, H. 1737, 3746
Hoepfner, A. S. 386
Hoeven, C. van der 6388
Hoey, M. T. 1014
Hof, B. M. op't 3664
Hofer, E. 803
Hoff, C. M. 782
Hoff, M. J. B. van den 4928
Hoff, T. 6389
Hoffer, M. J. V. 362, 1772
Hofferer, S. 524
Hoffman, A. 3857
Hoffmann, H. J. 5820
Hoffmann, N. E. 2945, 5652
Höfgen, R. 5657
Hofker, M. H. 38, 362, 1772
Hoflack, B. 5549
Hofmann, A. 2249
Hofmann, F. 1204, 5023
Hofmann, K. 1787
Hofmann, M. C. 6597
Hofsteenge, J. 804
Hofstra, H. 6556
Höfte, H. 1807, 5219
Hogan, B. L. M. 2816, 6231
Hogan, M. E. 4744
Hogan, P. G. 682, 5002, 5068
Hoge, J. H. C. 321, 1819, 2357, 4639
Höglund, A. S. 2456
Hoheisel, J. D. 4209
Hohmann, U. 4170, 5295
Hohn, B. 1116-1117, 2468, 3131
Hohn, T. 5234
Hohn, T. M. 2261
Hoi-Sen, Y. 4137
Hoisington, D. 4368, 5287, 5316
Hoisington, D. A. 2003, 4709
Høj, P. B. 849
Høj, S. 2509
Hojny, J. 3075
Holaday, A. S. 3789
Holcenberg, J. 2026
Holdsworth, M. 5208
Holdsworth, M. J. 295, 4086
Holland, M. A. 5230
Holland, S. M. 3953
Hollander, T. 5581
Hollenbach, P. W. 3326
Hollenberg, C. P 1645
Holliman, A. 895, 2511
Hollingsworth, L. T. 2330
Hollingsworth, M. J. 1347, 6380
Hollinshead, M. 5549
Hollis, M. A. 4744
Hollman, P. C. H. 6443
Hollósy, F. 4896
Holloszy, J. O. 5501, 5506
Hollung, K. 6273
Holly, R. D. 6236
Holm, P. 5411
Holm, P. B. 6055
Holmberg, C. A. 3255
Holmdahl, R. 1773
Holmes, C. P. 5321
Holmes, N. 6482
Holmes, N. G. 895, 2511
Holness, C. L. 184
Holsboer, F. 3532
Holst, G. J. van 2098
Holsters, M. 6
Holtman, W. L. 4775
Holtmann, B. 1744
Holton, T. A. 1808, 2349, 2944, 4617
Holtz, W. 2605, 5377
Holub, E. B. 6197
Holuigue, L. 5836
Holý, L. 3684
Holz, R. W. 628
Holzer, F. M. 5531
Holzschu, D. 798
Homa, F. L. 5581
Homes, J. 467, 4993
Honda, A. 1841
Hondt, H. A. de 1409
Honee, G. 3914
Honeycutt, R. L. 3105
Hong, B. J. 2684
Hong, M. M. 307, 2968
Hong, S. 4260
Hong, W. 712
Hong, Y. 5582
Hongyo, T. 940
Honjo, T. 684, 4063, 4412
Honkanen, J. 129
Honma, M. 5111
Honoré, E. 2883
Hontelez, J. 1163
Hood, A. 2817
Hood, C. F. 1549
Hood, E. E. 1897
Hood, L. 938, 3522
Hoog, H. de 1473
Höög, J. O. 3949
Hoogenraad, N. J. 849
Hooglander, N. B. 4171
Hookey, J. V. 415
Hooks, J. J. 5579
Hooks, M. A. 5210
Hooley, A. 6744
Hooley, P. 6749
Hoop, R. K. 4231
Hooper, M. 5742
Hoopes, C. 2535
Hooykaas, P. J. J. 275, 1105, 1114
Hopkins, C. L. 1136
Hopkins, D. D. 3
Hopkins, D. W. 2193, 2731
Höppener, J. W. M. 3540
Horak, I. 1747
Hordvik, I. 3951, 3970, 6479
Horgen, P. A. 310, 1434, 1436
Horiguchi, G. 6280
Horinouchi, S. 2713
Horio, Y. 181, 5048
Horiuchi, M. 66
Hormazábal, J. 3230
Horn, R. 6078
Horne, S. 4143
Horner, H. T. 5201
Hornstra, I. K. 5948
Horowitz, B. 5045
Horowitz, D. S. 4041
Horry, J. P. 3082, 3632
Horsthemke, B. 179
Horstmann, C. 306
Horta, A. E. M. 3768
Horvat, B. 5721
Horvat, S. 962, 3676
Horvath, B. 630
Horváth, C. 4372
Horvath, D. M. 5836
Horvath, D. P. 3790
Horz, K. H. 4457
Hosaka, K. 1433
Hoshi, H. 1067, 3979, 6671
Hoshi, M. 5367
Hoshiko, S. 5580
Hoshino, T. 5748
Hoshino, Y. 4276
Hoskinson, R. M. 2154
Hosoda, T. 3059
Hosoi, Y. 4314
Hosokawa, N. 1213, 1866
Hosoki, T. 472, 5389
Hosoya, M. 4580
Hossain, A. B. M. E. 2653
Hossain, M. 474, 999, 3186, 6632
Hossepian de Lima, V. F. M. 963, 4783
Hossner, K. L. 4241
Hoste, C. H. 4662
Hoste, H. 4767
Hotamisligil, G. S. 3003
Hotchkiss, T. 1381
Hotton, D. 761
Hotze, M. 5650, 5686
Hou, E. W. 2900
Hou, L. M. 3242
Hou, Q. 1852
Hou, Y. D. 3866
Houamed, K. M. 2334
Houba-Hérin, N. 5806
Houben, A. 1462, 4755
Houchins, K. 4166
Houck, C. M. 2459
Houde, A. 5583
Houde, M. 1245, 5675
Houdebine, L. M. 6162
Houge, G. 3108
Houghton, J. M. 538
Houle, D. 5492
Houlné, G. 4006
House, J. K. 1484
Housley, P. R. 5182
Housman, D. E. 5574
Houssa, C. 1877
Houssin, D. 561, 2758
Houtchens, K. 1683
Houtchens, K. A. 5095
Houwers, D. J. 1471
Hoversten, M. T. 5084
Howard, M. 3435
Howard, T. 5733
Howard, T. A. 2535
Howcroft, T. K. 250
Howe, C. J. 6327
Howe, G. T. 3858
Howe, M. M. 3103
Howell, E. C. 5283
Howell, M. 6233
Howells, N. 3401
Howes, N. K. 6177
Howie, W. 1168, 4432
Howles, P. 2409
Howley, P. M. 2219
Hoyer-Fender, S. 5584
Hoyle, R. 548, 552, 4909, 6727
Hozumi, M. 5761
Hrabak, E. M. 106
Hrazdina, G. 5856
Hřib, J. 3187
Hromas, R. 795
Hrouda, M. 4495
Hsiao, C. 4714
Hsieh, C. L. 595
Hsieh, M. T. 2277
Hsieh, M. Y. 5086
Hsu, C. M. 1263
Hsu, D. H. 2324
Hsu, L. C. 212
Hsu, T. 3008
Hsu, Y. H. 437
Hu, C. 5049
Hu, C. Y. 3175, 3179-3180
Hu, H. 1066, 1586
Hu, J. 1444, 4441, 5237
Hu, J. L. 5182
Hu, J. S. 434
Hu, P. C. 5472
Hu, Q. 5030
Hu, T. C. 5999
Hu, W. M. 5651
Hu, Y. 2397
Hu, Z. B. 3390
Hua, J. 307
Huancaruna Perales, E. 1000
Huang, B. 6616
Huang, B. L. 6633
Huang, B. Q. 398
Huang, D. 3066
Huang, E. 2891
Huang, E. J. 1306, 1311
Huang, F. L. 4503
Huang, H. 2483
Huang, H. C. 6039
Huang, J. 4618
Huang, J. C. 1037, 4302
Huang, J. T. 1372, 5535
Huang, K. P. 769
Huang, L. 3866
Huang, L. C. 6633
Huang, L. Q. 2945, 5652
Huang, M. C. 3335
Huang, M. L. 4965
Huang, N. 1898
Huang, Q. 2344
Huang, Q. S. 4441
Huang, R. C. C. 5594
Huang, S. 156, 1640
Huang, S. C. 46
Huang, S. H. 2026
Huang, S. J. 6000
Huang, S. P. 3404
Huang, S. R. 1617
Huang, S. S. 3773, 6702
Huang, T. H. M. 3453, 6498
Huang, T. Y. 437
Huang, W. D. 232
Huang, X. C. 4747
Huang, X. F. 5109
Huang, Y. 2360, 6183
Huang, Z. 4978
Huang, Z. X. 3242
Huarte, J. 509
Hubbard, R. 3830
Hübel, A. 4904
Hubele, S. 2806
Huber, B. E. 1133
Hubert, L. J. 6544
Hubert, N. 937
Huckett, B. I. 4703
Hucl, P. 6218
Hudak, S. 5043
Hudon, J. 4922
Hudson, A. 1809
Hudson, G. S. 1357, 3563
Hudson, J. R., Jr. 5086
Hudspeth, R. L. 843
Hue, L. 1231
Hueros, G. 1270
Huesca, M. 5614
Huet, C. 3218
Hueth, D. L. 2182
Huether, M. J. 5585
Huettel, R. N. 471
Huff, B. M. 1405, 4691
Huff, D. R. 1982, 4888
Huggan, R. D. 2096
Hughes, A. L. 662, 2893
Hughes, C. A. 5516
Hughes, C. R. 2553
Hughes, D. W. 4558, 6390
Hughes, K. W. 3866
Hughes, M. A. 1252, 1805, 3791, 5268, 5653, 6101
Hughes, M. J. 5496
Hughes, S. H. 2034
Hughet, T. 560
Hugnot, J. P. 2883
Hugo, M. 6686-6687
Hugueney, P. 5627
Huh, G. H. 1362
Huh, G. S. 6520
Huh, J. W. 670
Huh, T. L. 670
Huigen, D. J. 4162
Huisman, J. G. 6371
Huizing, H. J. 151
Hulbert, S. H. 4165, 6526
Hull, J. 717
Hull, R. 6184, 6728
Hulleman, E. 321
Hullin, R. 1204
Hulme, D. J. 881, 2248, 4134
Hulot, F. 3256
Hulshof, S. C. J. 4853
Hulsman, K. 2185
Hultner, M. 4508
Humbert, F. 2038
Humbert, J. 2808
Hume, D. A. 2425, 2886
Hume, J. R. 5045
Hummel, S. 1904, 4371, 5332
Hummell, D. S. 3519
Hummler, E. 6210
Humphrey, A. E. 150
Humphreys, R. C. 766
Humphreys, S. J. 895, 2511
Hung, C. H. 1810, 2794
Hung, P. 5169
Hungerford, J. W. 1591
Hünig, T. 3984
Hunnam, T. 4069
Hunold, R. 4394
Hunt, A. G. 6441
Hunt, C. 3057
Hunt, D. F. 1931
Hunt, G. 3869
Hunt, R. H. 1498
Hunter, C. F. 3713
Hunter, J. W. 3160
Hunter, S. B. 2830
Hurk, R. van den 4853
Hurkman, W. J. 5654
Hurley, E. A. 5745
Hurtenbach, U. 1303
Hurwitz, C. 4104
Hurwitz, D. R. 4962-4963

Husband, A. J. 4934
Husebye, H. 1286, 3597
Husnain, T. 6144
Hussain, S. 4261
Hussein, F. M. 4327-4328
Hussey, C. 1985
Hussey, P. J. 743, 1352, 1829
Hussey, R. E. 2866
Huszar, D. 2865
Hutchinson, J. S. M. 1588
Hutchinson, M. 4143
Huttly, A. 5704
Huttly, A. K. 4555
Huttner, K. M. 4967
Huttner, S. L. 3278, 4911
Hutton, J. C. 2992
Hutton, R. J. 3808
Huvermann, B. 4084
Huxley, C. 43, 5559
Huybrechts, R. 2771
Huynh, T. V. 5257
Hvoslef-Eide, A. K. 4820
Hwang, G. J. 2661
Hwang, I. 2946
Hyland, C. D. 2944
Hyman, S. E. 4405
Hymowitz, T. 6538
Hynes, G. 5054
Hynes, R. O. 619
Hyttel, P. 1520, 2121, 5968
Hyttinen, J. M. 585, 4968, 6603
Iacobazzi, V. 5035
Iannaccone, P. M. 6598
Iannamico, V. 987, 2779
Iannotta, B. 753
Iannuzzi, L. 896, 3598
Iba, H. 841
Iba, K. 6280, 6297
Ibaraki, K. 2993, 4696
Ibraghimov-Beskrovnaya, O. 2412
Ibrahim, A. M. A. 4227
Ichida, A. 4101, 5120
Ichihara, A. 3444, 5069
Ichihara, K. 6291
Ichikawa, A. 1841, 3523, 5067
Ichikawa, H. 860
Ichikawa, M. 4228
Ichikawa, T. 4228, 5623, 5641, 6267
Ichiki, Y. 6235
Ichinose, H. 2916
Ida, S. 5622
Ide, K. 4781
Ideta, O. 387
Ieda, K. 4491
Iglesias, C. 1969
Iglesias, V. A. 568, 1677, 2773, 4947, 5390, 6147
Igloi, G. L. 697, 5644, 5816
Ignacio de Sebastian, J. 4844
Ignat'ieva, T. V. 6163
Ignatova, S. A. 6001
Igoe, F. 680
Iguchi-Ariga, S. M. M. 787
Ihara, S. 4053
Ihle, J. N. 5077, 5867
Ii, I. 4809
Iida, K. 2580, 4478
Iida, S. 4715
Iinuma, M. 4491
Ikawa, Y. 194, 620, 3409-3410, 3421, 6209
Ikeda, J. E. 2975
Ikeda, K. 1948
Ikeda, M. 2670
Ikeda, Y. 2398
Ikegaki, N. 3981
Ikehashi, H. 3637
Ikekawa, N. 3744
Ikemoto, S. 5869
Ikemura, T. 6566
Ikenaga, H. 1729
Ikenaga, T. 1441
Ikeo, K. 3980
Ikezawa, H. 707
Ikura, K. 4522
Ikuyama, S. 2416
Ilag, L. 338
Ilag, L. L. 4007
Ilagan, J. G. 3001
Ilan, J. 6755
Ilangovan, R. 3384
Ilcheva, V. P. 6024
Iler, N. 2415
Illera, J. C. 4230
Illera, M. 4230
Illg, R. D. 2880
Ilyina, T. V. 1716
Imagawa, T. 5066
Imai, E. 788
Imai, H. 452
Imai, H. T. 3060
Imai, K. 1949, 5373
Imai, T. 2649
Imai, Y. 3460
Imakawa, S. 2546
Imamichi, T. 4581
Imamoto, A. 617
Imaseki, H. 217, 2461, 5655
Imbault, N. 19
Imboden, P. 941
Imhoff, V. 6137
Immonen, A. S. T. 473
Immonen, T. 3211
Imoberdorf, R. 6150
Imoto, H. 4676
Imoto, S. 5497
Imrie, B. C. 2190
Imura, M. 2857
In 't Veld, E. P. C. 6059
Inaba, T. 5509
Inada, M. 2408
Inagaki, Y. 4715
Inai, M. 451
Inai, S. 3637
Inal, F. 1077
Inamitsu, T. 4416
Indulski, J. 604, 3903
Infante, R. 1687
Ing, N. H. 4042
Ingham, P. W. 266, 4218, 5739
Inglis, J. D. 3323
Ingram, V. M. 5336
Innerarity, T. L. 2222
Innes, R. W. 113, 1983
Inohara, N. 5691
Inokuchi, H. 944, 6292
Inokuchi, Y. 5046
Inomata, S. 1736
Inoue, K. 1894, 4749, 5606
Inoue, M. 2645
Inoue, T. 5910
Inoue, Y. 4792, 5762
Inskeep, E. K. 528, 4332, 5973
Instituto Interamericano de Cooperación para la Agricultura 1097, 1625
Intapruk, C. 3022, 5110
International Society for Horticultural Science 2735
Interthal, H. 914
Inzana, T. J. 65
Inzé, D. 2450, 2476, 2939, 3788, 3841, 3898, 4022, 4073, 4357, 4616, 4990, 5779, 6116
Inzen, W. G. van 2609, 5974
Ioannou, P. A. 4386
Ionas, G. 5521
Iovanna, J. L. 4506
Iovannitti, B. 4325
Iqbal, J. 523
Iqbal, M. 1550
Iqbal, M. C. M. 6685
Iqbal, M. J. 6533-6534
Iraqi, F. 6472
Iren, F. van 3712
Irie, A. 3523
Irifune, K. 20
Iritani, A. 976, 1130, 4314, 4792
Irizarry, H. 1553
Irlam, I. 425
Irvin, Z. 6456-6457
Irvine, B. 5411
Irvine, J. E. 1885
Irwin, D. M. 2339, 4500
Irwin, J. A. 1656
Irwin, M. Y. 2824
Isaac, P. G. 3472-3473, 5275, 6756
Isaac, S. 2299
Isachenko, E. F. 6599
Isachenko, V. V. 6599
Isacson, O. 4927
Isakson, P. C. 4591
Isambert, M. F. 5157
Iscove, N. N. 5720
Isegawa, Y. 3952
Iseki, S. 658, 2998
Iseli, B. 1899
Ishibashi, M. 4043
Ishibashi, S. 3157
Ishida, A. 3424
Ishida, S. 3023, 4821
Ishigaki, K. 1052
Ishige, F. 5655
Ishiguro, K. 4458
Ishiguro, S. 5807
Ishihara, J. 2637, 3192
Ishii, K. 673, 3934, 6234
Ishii, N. 1188
Ishii, S. 1774, 3935
Ishii, T. 5284, 5734
Ishii, Y. 3442
Ishikawa, K. 3637
Ishikawa, M. 852
Ishikawa, R. 28, 394
Ishikawa, S. 1128, 2546
Ishikawa, T. 40, 3445
Ishimaru, K. 3391, 4459
Ishimori, H. 451
Ishiura, S. 5610
Ishizaka, H. 1058
Ishizaka, K. 3442
Iskakov, B. K. 4649, 5211
Isla, M. I. 6636
Islam, M. S. 2653
Islam, R. 474-475, 999, 3186, 6144, 6632
Islam, R. M. 6187
Ismail, S. T. 1524
Isobe, T. 5078
Isobe, Y. 1188
Isogai, A. 5709
Isoi, K. 4458
Isono, T. 3952
Israeli, D. 2914
Israeli, Y. 2304
Issaka Magha, M. 2271
Isshiki, H. 3526
Itadani, H. 3480
Italy, Italian Cell Culture Association 3825
Itano, A. 2399
Itasaka, J. 451
Ito, A. 187, 997, 5542
Ito, H. 5111
Ito, K. 2901
Ito, M. 20, 4139, 4447, 5105, 5656
Ito, S. 181, 3523, 5048, 6320
Ito, T. 6415
Ito, Y. 143, 501, 6175
Itoh, H. 2443
Itoh, K. 603, 4044
Itoh, M. 1214
Itoh, N. 716, 5586
Itoh, S. 4044
Itoh, T. 671
Itoh, Y. 5808
Iturriaga, E. A. 3481
Iturriaga, L. 2631
Itzhaki, H. 2486
Iusem, N. D. 3268, 5680
Ivanov, P. 1548
Ivanova, M. 510
Ivarie, R. 3425
Ivell, R. 2800, 3986
Ivics, Z. 3109
Iwabuchi, M. 1362, 1368, 4090, 5228, 5807
Iwai, N. 4781
Iwakabe, H. 686
Iwama, A. 5050
Iwama, G. K. 5330
Iwamasa, M. 6155
Iwamatsu, A. 3442
Iwamoto, M. 836
Iwamoto, T. 5066
Iwanaga, T. 1760
Iwasa, K. 4460
Iwasaki, M. 2637
Iwasaki, S. 5362
Iwasaki, T. 2369
Iwase, R. 6132
Iwase, T. 4582
Iwata, M. 1403
Iwata, N. 387, 393, 400, 5895
Iwatsubo, T. 4563
Iwatsuki, K. 5105
Iyer, K. D. N. 2281
Iyer, V. N. 1113
Izhar, S. 534
Izpisúa-Belmonte, J. C. 5735
Izsvák, Z. 3109
Izumo, S. 254, 1865, 2205
Jabbour, H. N. 525, 1589, 6058
Jabs, T. 1182
Jacenko, O. 1693
Jach, G. 3906
Jack, P. 4154
Jack, P. L. 1252, 1805
Jack, T. 5212
Jacks, T. 3402
Jackson, A. O. 126
Jackson, A. U. 1933
Jackson, D. 2457
Jackson, D. G. 5607
Jackson, S. 2444
Jackson, S. D. 2361
Jackson, S. H. 3953
Jackson, S. P. 5248
Jackwood, M. W. 1489-1490, 3385
Jacob, C. O. 789, 897
Jacob, J. L. 6418
Jacob, S. T. 782
Jacobs, B. L. 5715
Jacobs, M. 5643, 6325, 6522
Jacobs, R. M. 2215, 2584
Jacobsen, E. 2372, 3560, 4162, 5852, 6371, 6423, 6761
Jacobsen, S. E. 5809
Jacobson, H. R. 5589
Jacobson, K. B. 4748
Jacq, B. 572
Jacquemin, E. 1500, 2325
Jacquemin, P. 2979
Jacquemin-Sablon, A. 2740
Jacquemin-Sablon, H. 763
Jacques, I. 1476
Jacques, M. 5982-5983
Jaeck, E. 4008
Jaeger, C. 4681
Jaenisch, R. 1856, 3925, 5004
Jaffé, W. 2181
Jagadish, K. S. 3266
Jagannathan, V. 1830
Jagendorf, A. T. 2930
Jahier, J. 5293
Jahns, G. C. 1640
Jahoor, A. 1980
Jain, A. 5285, 6274
Jain, J. 682
Jain, S. K. 6673-6674
Jain, S. M. 2300
Jaiswal, V. S. 2074
Jaiwal, P. K. 624, 3929, 6628
Jakob, S. 4409
Jakobek, J. L. 4822
Jakobsen, K. S. 6273, 6390
Jalali, B. L. 3365
Jalanko, A. 3459
Jalkanen, L. 2054, 2057
Jalkanen, M. 5763
James, C. 6110, 6722
James, C. L. 291
James, D. J. 15, 2244, 6216-6217
James, L. 2330
James, P. E. 201
James, P. S. 5191
James, R. 1091, 2397, 3330, 5456
Jameson, J. L. 1318
Jami, J. 3527
Jamilena, M. 732, 4560, 5041
Jamroz, R. C. 1215
Jan, F. J. 1728
Jan, L. Y. 2905
Jan, S. P. 6424
Jan, Y. N. 2905

Jancso, M. M. 391
Janda, M. 107
Jang, S. S. 5392
Jang, W. 6165
Janick, J. 2624, 2629, 4823
Janik, A. 3075
Janka, I. 5474
Jänne, J. 35, 585, 3336, 4968, 6603
Janowitz, U. 1518
Janse, C. J. 77
Jansen, R. 65
Jansen, R. C. 4630
Jansen, R. K. 1795, 1821, 2550
Jansen, T. 4084
Jansing, R. L. 4454
Janska, H. 2159, 6073
Jansma, P. L. 132
Janssen, B. J. 2780
Janssen, H. 644
Janssen, I. 2771
Jany, B. 5079
Japan, International Complement Workshop 3826
Japón, M. A. 159
Jaques, M. 458
Jardieu, P. 4492
Jardin, E. A. D. 427
Jardin, P. du 2947, 3647
Jardinaud, M. F. 2781
Jaroszewski, J. W. 3110
Jarret, R. L. 928, 1009
Jarrett, W. F. H. 141
Jarvis, C. 5030
Jarvis, J. M. 588
Jarvis, P. 4716
Jasbir Kaur 1551
Jasin, M. 2666
Jasko, D. J. 3239, 4241, 4879
Jasmin, B. J. 1663
Jasrai, Y. T. 2630
Jauch, A. 4756
Jauniaux, J. C. 6296
Jauris-Heipke, S. 2249
Javahery, R. 1761
Javelle, F. 1563
Javornik, B. 3086, 5901
Jaworski, J. G. 3495
Jay, G. 39
Jay, V. 4262
Jay-Allemand, C. 6640
Jayanti Sen 4461
Jayapragasam, M. 3644
Jayaraj, S. 3366
Jayashankar, R. W. 4263
Jaye, M. 2027
Jaynes, J. M. 108, 2845
Jaziri, M. 467, 4993
Jean-Jacques, I. 1984, 5687
Jeannette, E. 4106
Jeannin, G. 5984
Jefferson, L. S. 5063
Jefferson, R. A. 6119
Jeffery, P. K. 4384
Jeffreys, A. J. 2534, 2743, 3072
Jeger, M. J. 435
Jelaska, S. 1005
Jellen, E. N. 4717
Jellie, H. P. 3244
Jena, K. K. 6535
Jenabzadeh, P. 6690
Jenkin, M. 6420
Jenkins, C. L. D. 3465
Jenkins, G. I. 5235
Jenkins, J. 2340
Jenkins, J. N. 6761
Jenkins, M. E. 4205
Jenkins, N. A. 34, 359, 364, 760, 784, 916, 2323, 3050, 3069, 3435, 3612, 3967, 4127, 4149, 5257, 5575, 6242
Jennings, A. D. 3887
Jennings, P. A. 2761
Jensen, A. B. 4614
Jensen, E. Ø. 5820
Jensen, H. E. 2581
Jensen, K. 615
Jensen, K. B. 4714
Jensenius, J. C. 1219
Jentsch, S. 2898
Jenuth, J. P. 1775
Jenuwein, T. 6340
Jeon, G. J. 6473
Jeong, J. W. 2684
Jeong, M. G. 3412, 3894
Jeppesen, P. 363
Jepsen, K. J. 2229
Jeremiah, L. E. 1605, 3257-3258
Jermstad, K. D. 6507
Jerng, H. H. 5611
Jesse, G. W. 1601
Jessop, A. 1996
Jestin, L. 5293
Jethwani, V. 502
Jett, J. H. 4746
Jeyaraj, P. R. 2758
Jeyaseelan, K. 6222
Jhon, D. Y. 185
Ji, D. D. 4894
Ji, H. 672
Ji, I. 672, 5148
Ji, L. 5112
Ji, L. H. 4177, 4542
Ji, T. H. 672, 5148
Ji, W. 1342
Jia, J. F. 162
Jia, S. E. 6689
Jia, S. R. 108
Jia, X. 6689
Jia, X. C. 5750
Jiang, B. M. 1497
Jiang, C. X. 108
Jiang, C. Z. 5213, 6391
Jiang, F. M. 2704
Jiang, H. J. 476
Jiang, J. Q. 1407
Jiang, L. J. 1063
Jiang, N. 1759
Jiang, Q. Y. 1343
Jiang, S. 981, 1582, 4872
Jiang, S. Z. 4441
Jiang, W. 364, 5575
Jiang, X. 6474
Jiang, X. C. 2226
Jiang, X. J. 232
Jiang, Y. 232
Jiang, Y. G. 1075, 4123
Jie, Y. Q. 1587
Jílek, F. 4307
Jiménez, I. 6667
Jiménez, M. M. 1973
Jimenez-Moraila, B. 6326
Jin, D. L. 6131
Jin, S. 4494
Jin, S. G. 3723, 5530
Jin, S. X. 4242
Jin, T. 1434
Jinn, T. L. 4905
Jo, J. Y. 4859
Joaquim, T. R. 439
Joarder, O. I. 474-475, 999, 3186, 6632
Jobo, K. 5586
Jöchle, W. 4330
Joe, L. 1168, 4432
Joergensen, R. G. 2699
Joerger, R. D. 1106
Jofuku, K. D. 1914
Joh, T. H. 5738
Johal, G. 4987, 5094
Johal, G. S. 6536
Johansen, S. 3436
Johansen, T. 3436
Johanson, A. 435
Johansson, E. 2318
Johansson, K. E. 4210
Johansson, M. 2500, 3599, 3609, 6462
Johansson, T. 4408
John, I. 851
John, J. L. 1001
John, M. 631
John, M. C. 3486
Johnen, G. 4468
Johns, M. A. 3245
Johnson, D. 6355
Johnson, D. F. 2222
Johnson, D. L. 3234
Johnson, D. W. 1485, 5501, 5506
Johnson, G. S. 2037, 3453, 6498
Johnson, G. W. 6199
Johnson, J. D. 4895
Johnson, J. E. 1194
Johnson, J. L. 3324, 3693, 4243, 4883
Johnson, J. R. 6351, 6392
Johnson, K. R. 818
Johnson, L. A. 1045, 3232, 5371, 6593, 6675
Johnson, L. F. 1845, 5156
Johnson, M. 4143
Johnson, M. D. 3404
Johnson, P. A. 5617
Johnson, P. F. 4585
Johnson, R. 2606, 6236
Johnson, R. C. 619
Johnson, R. K. 2802
Johnson, R. L. 5753
Johnson, R. S. 154
Johnson, S. K. 4332
Johnson, S. L. 4143
Johnson, T. 2997
Johnson, V. A. 6761
Johnson, W. H. 2149, 5405
Johnston, D. A. 4423
Johnston, J. S. 2033, 4204
Johnston, L. A. 2055, 4858
Johnston, L. J. 1595
Johnston, M. E. 2685
Johnston, R. E. 5520
Johnston, S. 3370
Johnston, S. A. 2256
Johnstone, K. 87
Jolicoeur, P. 3516, 6474
Jolly, C. A. 2833
Joly, P. B. 6757
Jona, R. 3714
Jonas, U. 2897
Jondle, R. J. 3809
Jones, A. L. 1596
Jones, A. M. 3024
Jones, B. 3636
Jones, C. 3585, 4392, 5574
Jones, C. A. 1424
Jones, C. M. 6231
Jones, D. A. 381, 388, 3901, 4191, 4712, 6553
Jones, D. H. 3111-3112
Jones, F. S. 2418
Jones, G. 1536
Jones, H. 5480
Jones, J. 1950, 2487, 6638
Jones, J. D. 4619
Jones, J. D. G. 381, 388, 1999, 2262, 3901, 4191, 4712, 6553
Jones, J. M. 3874
Jones, K. R. 6207
Jones, M. J. 1511
Jones, P. A. 2419
Jones, P. P. 3238
Jones, R. A. 4899
Jones, R. B. 4739
Jones, R. N. 1973
Jones, S. S. 4701
Jones, W. R. 2168
Jones, W. T. 5131
Jong, E. R. de 3312
Jong, F. de 5381
Jong, P. J. de 4386
Jong, R. de 5736
Jongejan, F. 3145
Jongewaard, I. 4116
Jonk, L. 3530
Joo, D. 3004
Joosten, M. H. A. J. 3914, 4433
Jopson, M. 4077
Jordan, B. R. 201, 1344, 1643
Jordan, M. 2631
Jordan, M. C. 4395
Jordan, T. W. 3596
Jordan, W. R. 4632
Jordana, X. 872
Jordano, J. 2173, 6258
Jorge, W. 963, 4783
Jørgensen, C. B. 909, 6502
Jorgensen, J. A. 4543
Jørgensen, P. 5470
Jörnvall, H. 3949
Josa, A. 3755
Jose, P. A. 5757
Josefsson, L. G. 1921
Joseph, D. R. 155, 1320
Josephson, B. 4972
Josephson, B. M. 43
Joshi, C. P. 2958, 3087, 4192, 5298
Joshi, H. C. 4013
Joshi, M. S. 3243
Joshi, R. 4557
Josse, J. M. 4731
Jost, J. P. 5149
Jost, L. 5324
Jost, Y. C. 5149
Joswig, G. 265
Jouanin, L. 2213, 2776, 4942, 5488
Joudrier, P. 5104, 5293
Jourdan, P. 27
Jourdan, S. W. 450
Jourjon, M. F. 1807
Journal of Assisted Reproduction and Genetics 4912
Journet, E. P. 6393
Journot, L. 3532
Jouve, L. 477
Jouve, N. 1754
Jowett, T. 4211
Joy, K. 994
Joyard, J. 4644
Joyce, C. M. 3500
Joyce, J. G. 1187
Joyner, A. 2295
Joyner, A. L. 1194, 2741, 2810
Jubier, M. F. 1893, 4088, 5903
Jucá, M. B. 2428
Jue, K. 1225
Juge, N. 3555
Julien, J. P. 1690, 5492
Julier, C. 904
Julliard, J. 2213
Jullien, F. 6634
Jullien, M. 5385
Jullienne, A. 5060
Juma, C. 2199
June, C. H. 4965
Juneja, R. K. 4124
Jung, H. H. 1846
Jung, J. K. 4789, 4795
Jung, J. L. 3254
Jung, K. H. 5416
Jung, M. 3076, 4130
Jung, M. H. 828
Jura, J. 4784
Jurnak, F. 1172
Just, R. E. 2182
Juul-Madsen, H. R. 898
Jyothi Bhaskar 3715
Kabsch, W. 4028
Kacperska, A. 4620
Kaczor, C. M. 6394
Kado, C. I. 1116, 1730
Kadotani, N. 5311
Kaemmer, D. 4923
Kaeppler, S. M. 1756
Kaestner, K. H. 186
Kafri, T. 764
Kagami, Y. 6056
Kage, K. 1786
Kageyama, R. 4043
Kageyama, Y. 4708
Kaghad, M. 5080
Kahia, W. J. 4264
Kahl, G. 1609, 1640, 3093, 4923
Kahn, A. 4387
Kahn, T. L. 1345
Kai, C. 69
Kai, H. 2339
Kai, K. 5860
Kaibuchi, K. 5608
Kaijalainen, S. 942
Kainuma, H. 451, 5367
Kaiser, K. 6254
Kaiser, T. 4642, 5116
Kaizuma, N. 2672
Kaji, A. 1781
Kajiwara, H. 5707
Kajiwara, N. 583, 3338
Kajiya, H. 6276
Kakar, S. S. 1776

Kakidani, H. 1130
Kakinuma, M. 2995
Kakiuchi, M. 3735
Kakizuka, A. 3523, 5067
Kakoma, I. 2827
Kákoniová, D. 3194
Kalcheva, I. D. 943
Kaldenhoff, R. 3556
Kalhok, S. E. 1216
Kalla, K. A. 816, 2230, 5164
Kaló, P. 3996
Kaloshian, I. 3912
Kalousek, F. 3447
Kaltsikes, P. J. 625
Kam, R. J. de 1819, 2357
Kamada, H. 1023, 2369, 2786, 4017
Kamada, K. 5748
Kamagata, Y. 5070
Kamalay, J. C. 328, 6100
Kamata, H. 2762
Kamata, T. 5051
Kamataki, T. 4044
Kamei, M. 1316
Kamel-Reid, S. 2215
Kameyama, K. Z. 2763
Kami, J. 2462
Kamigauchi, M. 4460
Kamijo, R. 156, 4999, 6212
Kamikawaji, N. 4416
Kaminski, A. 174
Kaminsky, L. S. 4454
Kaminsky, S. G. 3078
Kamisako, W. 1740, 4447
Kamisugi, Y. 4707
Kamiya, K. 814
Kamiya, N. 69
Kammen, A. van 630, 1799, 2362, 3367
Kammerer, B. 2940
Kammerloher, W. 6275
Kamo, K. 2301
Kamo, K. K. 2259
Kamp, E. M. 65
Kamp-Glass, M. 163
Kampen, A. J. A. van 3588
Kamper, P. 3323
Kamper, S. M. 1389
Kan, J. A. L. van 99, 3914-3915
Kan, V. L. 3143
Kan, Y. W. 2224
Kanagawa, H. 4245, 4865, 4867, 5409
Kanagawa, O. 2864, 2868
Kanai, A. 790
Kanai, Y. 835, 1226, 2881, 2926, 5038
Kanaitsuka, T. 1769
Kanayama, K. 1592
Kanazawa, A. 3638
Kanazawa, I. 1316
Kanazin, V. 4172
Kanda, T. 658
Kane, M. 4878
Kane, M. T. 5966
Kane, R. A. 4423
Kane, S. E. 2286
Kaneda, C. 6761
Kaneda, Y. 527
Kanegae, T. 6276
Kaneko, K. J. 2400
Kaneko, R. 5150
Kaneko, S. 806
Kaneko, T. 4053
Kaneyoshi, J. 6145
Kang, B. J. 4389
Kang, H. J. 4795
Kang, I. J. 2479
Kang, M. J. 1137
Kang, S. H. 4010
Kang, Y. H. 4965
Kang, Y. S. 4279
Kangawa, K. 4518, 6235
Kanhouwa, S. 4898
Kaniewski, W. K. 2279
Kanitz, E. 2687
Kanitz, W. 6496
Kaňka, J. 5968
Kannangara, C. G. 5828
Kanno, A. 853, 3490
Kanno, M. 3424
Kano, K. 4793
Kano, N. 5252
Kano-Murakami, Y. 860, 5829
Kansas, G. S. 2921
Kanwar, Y. S. 3539
Kanyuka, K. V. 1715
Kao, C. C. 123
Kao, M. C. 1814
Kao, T. H. 3773, 5667, 6293, 6702
Kaper, J. M. 125, 1727
Kapil Singh 1830
Kapila, R. K. 4265
Kaplan, J. 814
Kaplan, J. C. 4387
Kaplan, L. A. 2727
Kaplan, M. H. 5587
Kaplan, M. L. 3306
Kaplan, R. S. 5588
Kaplitt, M. G. 4577
Kapon, A. 5714
Kapoor, S. 1926, 3557, 6395
Kappeler, S. 5107, 5846
Kappes, S. M. 4119
Kapulnik, Y. 172
Kaput, J. 247
Kara, A. N. 3188
Karagiannis, C. S. 5810
Karagyosov, L. K. 1126
Karagyozov, L. 943
Karakullukçu, Ş. 6002
Karaoglu, D. 4057
Karara, A. 5589
Karas, M. 4084
Karatzas, C. N. 1399, 2273
Kärcher, B. 4112
Karchi, H. 6521
Kardailsky, I. 2362
Kareiva, P. 1171, 1635, 3278
Karger, B. L. 3113, 3126
Karhu, S. T. 478
Karhunen, P. J. 942
Karim, M. R. 474, 999, 6632
Karin, M. 3831
Karjalainen, K. 4409
Karjalainen, M. 1435
Kärle, R. 3025
Karlin, S. 5027
Karlsson, K. 5599
Karlsson, M. 1773
Karlsson, S. 3403, 3513
Karol, K. 1828
Karol, K. G. 1795
Karow, A. 6595
Karp, A. 1973, 3413
Karpinska, B. 3792, 5811
Karpinski, S. 3792, 5811
Karsai, I. 2872
Kartel', N. A. 3090
Kartha, K. K. 1539, 2785
Kartnig, T. 4462
Karube, I. 997, 5542
Karube, M. 2135
Karvonen, P. 1435, 4718
Karwatzki, B. 149
Kasahara, K. 4715
Kasai, K. 6132
Kasai, M. 2061
Kasai, N. 2820, 3353
Kashiwabara, S. I. 5020
Kashiwazaki, N. 3163
Kaspar, T. 167
Kaspi, C. I. 3026
Kass, A. A. 3306
Kass, P. H. 3255
Kass-Eisler, A. 2208
Kasser, T. R. 2686, 2691
Kasteel, D. 3367
Kastelein, R. 5043
Kasuga, T. 109
Kasumi, M. 2088
Kata, S. R. 5286
Kataeva, N. V. 1002
Katagiri, F. 5833, 6300
Katahira, S. 5389
Katao, Y. 806
Katayama, S. 1504
Katayose, Y. 5896, 5927
Katelaris, P. H. 5519
Kathal, R. 5391
Katinakis, P. 205, 730
Katinger, H. 2846
Kato, A. 1264, 2379, 2949, 4545, 5642, 5857
Kato, H. 931, 4792
Kato, M. 5807
Kato, S. 2546, 3511, 3525, 4793, 5173, 6044
Kato, T. 4749
Kato, Y. 512, 2056, 3690, 3875, 4749, 4785-4786, 5173
Katoh, K. 704
Katoh, S. 2881
Katsanis, K. 5937
Katsube, T. 2479
Katsuki, M. 4676
Katsura, Y. 1769
Katt, M. 5891
Katz, J. B. 3144
Katz, J. D. 2227
Katz, R. W. 5151
Katz-Downie, D. S. 3475
Katzenellenbogen, B. S. 3960
Kaufman, G. 6678
Kaufman, J. 5573
Kaufman, L. S. 308, 6375
Kaufmann, S. H. E. 6211
Kaukas, A. 4423, 4770
Kaul, S. C. 194
Kaupmann, K. 678
Kaupp, U. B. 1204
Kauppinen, L. 35
Kauppinen, V. 927, 1280, 3263, 3348
Kaushansky, K. 6236
Kavanagh, T. 3889
Kavanagh, T. A. 110, 4009
Kavsan, V. 1777
Kavsan, V. M. 3954
Kavumpurath, S. 2764
Kawabata, H. 3882
Kawabata, S. 2225
Kawada, M. 1559
Kawagoe, Y. 353, 5214
Kawaguchi, M. 5429
Kawaguchi, Y. 69
Kawahara, K. 2580
Kawahara, R. 479
Kawai, J. 5152
Kawai, K. 157
Kawaichi, M. 4063
Kawajiri, M. 3735
Kawakami, N. 3027
Kawakita, K. 2632, 5789, 6116
Kawalleck, P. 4544
Kawamoto, S. 3955
Kawamoto, T. 3028, 5812
Kawamura, M. 3781, 5509
Kawamura, Y. 1003, 4023, 4507
Kawano, K. 6761
Kawaoka, A. 3028, 5623, 5812
Kawasaki, H. 198
Kawasaki, M. 4455
Kawasaki, T. 716, 1239, 4023, 5113, 5586
Kawashima, E. 4588
Kawauchi, H. 3779, 4053
Kawchuk, L. M. 2543
Kay, M. A. 2206, 2765-2766
Kay, P. H. 791
Kay, R. M. 2708, 3326
Kay, S. A. 2948
Kay, T. W. H. 1318
Kay, V. 6138
Kayes, T. B. 1593
Kazakov, V. K. 6163
Kazarov, A. R. 5328
Kazenwadel, J. 2397
Ke, N. 6391
Ke, S. 2633, 4260
Ke, Y. 1845, 5156
Keane, J. 1785
Kearney, L. 6563
Kearns, W. G. 4410
Kedar, N. 5536, 6521
Keddie, J. S. 3558
Keefer, C. L. 4237, 4787, 6677
Keegan, C. E. 1951
Keele, J. W. 4119, 6491
Keeler, S. J. 854
Keen, A. 4586
Keen, N. 23
Keen, N. T. 1172, 3902
Keese, C. R. 3782
Keightley, M. C. 5153
Keightley, P. D. 3305
Keim, P. 4173, 4189
Keimer, B. 6683
Keini, G. 4047
Keith, B. 862
Keith, D. J. 4183
Keith, G. 3254
Keith, K. 5813
Keizer, P. 4630
Keizer, P. L. C. 6624
Kekos, D. 6092
Keldahl, C. 6595
Kelkar, N. 1926
Keller, B. 4989
Keller, E. R. J. 1552
Keller, G. H. 3656-3657, 3832
Keller, G. L. 6604
Keller, H. 4544
Keller, J. A. 2366
Keller, P. M. 1217
Keller, R. 4512
Keller, R. A. 4746
Keller, S. A. 3874
Keller, S. R. 2343, 4509
Keller, W. A. 2672
Kelley, M. R. 2925
Kellogg, E. A. 3474
Kelly, C. D. 4678
Kelly, C. L. 920
Kelly, D. 5071
Kelly, J. D. 6181-6182
Kelly, M. A. 818
Kelly, R. B. 2992
Kelly, R. T. 2186
Kelly, R. W. 4803
Kelner, G. 5043
Kelsey, D. E. 428
Kelsey, G. 792, 5950
Kelsey, R. 1789
Kelve, M. 129
Kemmerer, E. C. 5215
Kemp, P. R. 6161
Kemp, S. J. 877, 3600, 3618, 6467, 6475
Kemper, E. 1674
Kempin, S. A. 3482
Kempken, F. 5916
Kenchington, E. 1404
Kende, H. 1346
Kendrick, R. E. 5679
Kenefick, D. G. 5695
Kenimer, A. T. 6670
Kenmochi, N. 3968, 4516
Kennan, W. S. 6158
Kennard, W. C. 3088
Kennedy, A. I. 4463
Kennedy, C. 204
Kennel, S. J. 657, 2902
Kent, M. L. 63
Kentouri, M. 6738
Kenttämies, H. 4238
Kenward, K. D. 1613
Kenwrick, S. 879
Keon, J. 3911
Keppel, M. 3191
Keränen, S. 1280
Kerbauy, G. B. 2080, 3189
Kerem, Z. 5444
Kerkaert, B. 6082
Kerkhof, P. van 5016
Kerlan, M. C. 4365
Kermicle, J. 924
Kern, R. 2948
Kerppola, T. K. 682
Kerr, J. M. 4696
Kerrigan, R. W. 1436
Keshet, I. 2994
Keskintepe, L. 6670
Kesler, D. J. 2674, 2677
Kesseli, R. V. 1178
Kessler, B. 1232
Kessmann, H. 1184, 1640, 3905
Kesteren, W. J. P. van 2795
Kesterson, R. A. 36
Kettmann, R. 1382, 6230
Ketzel, A. 4843

Keung, W. M. 3949
Key, J. L. 4356
Khachi, A. 1761
Khadeeva, N. V. 4266, 4440
Khader, M. A. 3745
Khairallah, M. 5287
Khalil, M. H. 5469
Khalili, K. 5731
Khamiss, O. 215
Khan, A. S. 3519
Khan, M. I. 1495
Khan, M. R. I. 6146
Khan, S. A. 1765
Khan, T. A. 2324
Khanna, N. C. 2454
Khare, N. 2667
Khashoggi, A. 1811
Khatib, H. 1778, 3601-3602, 4510, 5052
Khatun, A. 1004, 3190
Khayat, E. 4615
Kheyr-Pour, A. 6185
Khokhlova, T. A. 1831
Khoo, W. 3408
Khoo, W. K. 2810
Khoshkam, S. 3199
Khrapko, K. 3113
Khush, G. S. 1658, 5277, 5284, 6535
Khuspe, S. S. 3243
Khvedynich, O. A. 5398, 6008
Kidd, G. 3276, 3300-3301, 3343, 4382, 6720
Kidd, V. 6486
Kidder, G. M. 4045
Kidou, S. 1264
Kidou, S. I. 2949, 4545
Kidwell, K. K. 1757, 4174, 4704, 5897
Kieback, C. 766
Kieckens, L. 3920
Kiedrowski, S. 1164, 2841, 4159
Kiefer, B. 2907
Kiefer-Meyer, M. C. 2005
Kieffer, B. L. 3430
Kieffer, M. 516
Kienker, L. J. 3956, 3963
Kifor, O. 3426
Kihara, M. 6626, 6684
Kijne, J. 322, 6300
Kijne, J. W. 305, 3479
Kik, C. 2634
Kikkert, J. R. 14, 16, 2789
Kikuchi, F. 931
Kikuchi, H. 1059
Kikuchi, J. 1003
Kikuchi, K. 5755
Kikuchi, M. 1297, 3979
Kikuchi, T. 5737
Kikuno, R. 708
Kilben, J. D. 1069
Kilbourne, E. J. 1853
Kilby, N. J. 5333
Kilian, A. 2669, 4175, 6186
Kilimann, M. W. 4519
Kilinski, L. 3845
Kille, P. 1207
Killeen, N. 3331
Killian, D. B. 4780
Kilpatrick, D. L. 1126
Kim, B. C. 4389
Kim, C. G. 5325, 5592
Kim, C. K. 558
Kim, C. S. 3894, 5216
Kim, C. Y. 3716
Kim, D. S. 4859
Kim, D. U. 4389
Kim, E. 2398
Kim, E. G. 5154
Kim, G. 666
Kim, H. 1846
Kim, H. C. 3517
Kim, H. I. 4115
Kim, H. J. 6277
Kim, H. S. 5005, 5424
Kim, J. 3400, 5251, 6396-6397
Kim, J. B. 558, 2684
Kim, J. H. 3233, 3423, 4778, 6600
Kim, J. K. 1265, 1347, 6430
Kim, J. M. 4621
Kim, J. W. 6588
Kim, J. Y. 2865
Kim, K. C. 5216
Kim, K. H. 5029, 5187
Kim, K. J. 1795
Kim, K. S. 5738
Kim, M. J. 4511
Kim, N. S. 5288, 5288
Kim, S. G. 5396
Kim, S. I. 203
Kim, S. R. 1900, 3999, 6398
Kim, S. W. 5416
Kim, W. K. 5289
Kim, W. T. 5814
Kim, W. Y. 6256
Kim, Y. 1322, 3559, 5079
Kim, Y. H. 1900
Kim, Y. S. 1276, 4179, 4944
Kim, Y. W. 3641, 4010, 5392
Kim. T. S. 6473
Kimata, Y. 4091
Kimball, S. R. 5063
Kimberling, W. 5868
Kimizuka, F. 5111
Kimmel, C. B. 4143
Kimura, A. 793, 4416
Kimura, S. 4525
Kimura, T. 1781, 4044, 4999, 5252, 6212
Kincaid, H. I. 4128
Kinet, J. P. 2288
King, A. A. J. 5566
King, A. G. 2886
King, C. D. 6341
King, C. M. 6157
King, D. 7
King, D. P. 4694
King, G. 1985
King, G. A. 1250
King, I. P. 1872, 1901, 1986, 3098
King, J. 3931, 4439, 5010
King, L. A. 2919
King, L. M. 3474
King, M. E. 6695
King, P. J. 5981
King, T. 3591
King, T. L. 4672
King, T. P. 5071
King, W. 6066
King, W. A. 1514
Kinghorn, B. P. 881, 6450
Kinghorn, J. R. 1709, 2042
Kingsley, D. M. 5257
Kingsmore, S. F. 899
Kinloch, R. A. 1854, 4413
Kinney, A. J. 1293, 6272
Kinney, R. M. 3139
Kino, I. 4582
Kinoshita, T. 221, 2364, 4464, 4496
Kintzios, S. 6187
Kinzler, K. W. 366
Kinzy, T. G. 840
Kioussis, D. 2399
Kipling, D. 6476
Kippers, A. 6431
Kirberg, J. 4409
Kirby, E. G. 1030, 4296
Kirby, M. C. 2523, 6480
Kircheis, F. W. 4131
Kircher, S. 5805
Kirchgessner, M. 2688, 4342
Kirchhoff, H. 4768
Kiribuchi, C. 5898
Kirichenko, E. B. 3717
Kirihara, T. 5911
Kiril'chik, S. V. 6499
Kirisits, M. J. 3061, 3957
Kirk, C. A. 6278
Kirk, S. H. 6744
Kirkland, T. N. 4422
Kirkpatrick, B. C. 2589, 3373
Kirkpatrick, B. W. 376, 884, 964, 1405, 4691, 6451, 6477, 6500
Kirkwood, R. N. 4331
Kirleis, A. W. 1891
Kirsch, J. D. 6694
Kirsop, B. 547
Kirti, P. B. 25, 5217, 6003
Kisen, G. 2764
Kishi, F. 6056
Kishi, J. 1519
Kishida, S. 5608
Kishihara, K. 157
Kishimoto, N. 393, 2370, 2950, 3638
Kishimoto, T. 704, 3526, 3922
Kishinami, I. 6684
Kishor, P. B. K. 2143, 3718
Kishore, G. M. 609
Kisiel, W. 4467
Kispert, A. 251
Kiss, G. 560
Kiss, G. B. 3996
Kiss, I. 903
Kiss, J. Z. 2892
Kiss, P. 3996
Kiss, T. 4089
Kissel, U. 1169
Kisselev, L. 892
Kita, M. 452
Kitabatake, M. 944
Kitada, S. 187
Kitagawa, M. 6212
Kitagawa, S. 2479
Kitagawa, Y. 831
Kitami, Y. 2915
Kitamura, K. 2906, 4518, 6235
Kitamura, M. 2224
Kitamura, N. 3972
Kitamura, T. 1734
Kitamura, Y. 1441, 4464, 5808
Kitani-Yasuda, T. 1214
Kitauchi, F. 5669
Kitiyanant, Y. 5370
Kito, M. 2479
Kitsberg, D. 2994
Kitsis, R. N. 3306
Kitt, C. A. 4410
Kitto, S. L. 3280, 4823
Kitts, P. A. 5475
Kitwood, S. E. 1073
Kiyosue, T. 6279
Kjellén, L. 5036
Klagsbrun, M. 175
Klakhaeng, K. 4282
Klann, E. 726
Klann, E. M. 2451
Klap, J. C. 1889
Klapper, D. G. 3469
Klapstein, E. 4324
Klassen, G. R. 105
Klastrup, S. 1606
Klatser, P. R. 1507
Klatzman, D. J. 561
Klaudiny, J. 3349
Klaunberg, B. A. 6224
Klaus, S. 243
Klaves, J. 2531
Kleczkowski, L. A. 3499, 4175
Klee, H. J. 855, 5819
Klee, W. A. 1846
Kleiboeker, S. B. 1147
Klein, G. 3317
Klein, H. L. 2489
Klein, J. 688, 918, 1229
Klein, J. M. 4512
Klein, P. G. 6396
Klein, R. D. 4424
Klein, R. R. 220, 1812
Klein, W. H. 2863
Kleinhofs, A. 2669, 3242, 3636, 4175, 4735, 5290, 6186
Kleis-SanFrancisco, S. 794
Klement, J. F. 252
Klemenz, R. 1209
Klemsz, M. J. 795
Klenova, E. M. 5155
Klepetka, B. 1171, 1635
Klerk, G. J. de 3191
Kles, V. 2038
Klessig, D. F. 300, 604, 3016, 3903
Klett, C. 913, 3582, 4150
Kley, N. 5044
Kliebenstein, D. 5213, 6391
Klimaszewska, K. 4270-4271, 6005
Klimyuk, V. 3901
Klinga-Levan, K. 1965, 3062
Klinman, J. P. 5065
Klocek, J. 6035
Klonus, D. 5657
Klopfenstein, N. B. 1173
Kloppstech, K. 1614, 1876, 5788
Klose, J. 263
Klösgen, R. B. 4084
Kloska, S. 1283
Kloske, E. 4904
Klöti, A. 1677, 6615
Klucas, R. V. 5112
Klug, C. A. 613
Klugbauer, N. 5023
Kluxen, F. W. 6245
Knaap, J. A. van der 4549
Knack, G. 5788
Knapp, E. 2846
Knapp, J. R. 1600, 4784
Knapp, L. T. 1951
Knapp, S. 5899
Knapp, S. J. 3636, 4704, 6523
Kneale, G. G. 6758
Kneshke, I. 2077-2078
Kniewald, Z. 2614
Knight, A. M. 824
Knight, C. D. 1601
Knight, J. S. 4011
Knight, J. W. 5967
Knight, M. R. 1348, 5235
Knight, T. J. 3544
Knippers, R. 3582
Knoop, V. 5815
Knott, S. A. 6468
Knowles, J. K. C. 1280
Knox, E. B. 1987
Knudsen, E. 489
Knudsen, H. 1649, 2097
Knudsen, J. Y. 5820
Knudsen, S. 319, 329, 1930, 6055
Knudson, A. G. 1965
Ko, H. L. 6537
Ko, K. 5658
Ko, Z. W. 5658
Koba, T. 1062
Kobak, C. J. 5871
Kobayashi, A. 5963
Kobayashi, E. 1239
Kobayashi, K. 6668, 6671
Kobayashi, N. 2903
Kobayashi, O. 2376
Kobayashi, R. S. 2260, 2269
Kobayashi, S. 2995, 5933, 6145, 6648
Kobayashi, T. 3689, 4298
Kobilka, B. K. 3607
Kobisch, M. 1494
Koch, O. M. 3156
Koch, Y. 5175
Kochert, G. 1842, 1970, 3635, 6535
Kochian, L. V. 2452
Kock, P. 1929
Koczan, D. 914
Kodaira, K. 5020
Kodama, H. 1193, 6280
Kodihalli, S. 1486-1487
Kodja, H. 6654
Koebel, P. 2869
Koebner, R. M. D. 1986
Koech, J. 3896
Koehler, C. M. 3452
Koehler, G. 2864, 4934
Koehorst, H. J. J. 6613
Koeller, D. M. 5751
Koenig, R. J. 5151
Koes, R. 2363
Koes, R. E. 2469
Koester, R. P. 3639
Kofer, W. 6700
Kofuji, R. 5105
Koga, K. 111
Koga, O. 6068
Kögel, J. 2688
Kögl, G. 4462
Koh, H. J. 517
Koh, S. I. 4999
Köhler, G. 2420, 3922
Köhler, M. 5732

Köhler, W. H. 6157
Kohlhagen, G. 2340
Kohli, V. 945
Kohli, Y. 1436
Köhm, B. 3889
Köhm, B. A. 110
Kohmoto, K. 5172
Kohmura, N. 3410
Kohn, L. D. 2416
Kohno, H. 5590
Kohno, N. 5020
Kohri, K. 2913
Kohrman, D. 6165
Koiwai, A. 120
Koiwai, O. 673
Koizumi, M. 5448
Koizumi, N. 1898
Koizumi, Y. 3781
Kojima, K. 4025
Kojima, M. 6235
Kojima, N. 5057
Kojima, S. 235, 675
Kojima, T. 971, 1052
Kojimoto, A. 5807
Kok, E. J. 2187
Kok, J. B. de 3145
Kokenyesi, R. 669
Kola, I. 253
Kolb, E. 5500
Kolchinsky, A. 6570
Kolk, D. P. 796
Koller, B. H. 2288
Koller, C. A. 945
Kollias, G. A. 5498
Kölling, A. 3556
Kollipara, K. P. 6538
Kolls, J. 2209
Kolmer, M. 5053
Kolshorn, H. 4829
Koltin, Y. 128
Komaki, K. 1038
Komamine, A. 479, 1193, 5656, 6661
Komano, T. 3261
Komari, T. 6143
Komarnitskiĭ, I. K. 1266
Komarnitsky, I. K. 1266
Komatsu, S. 5707
Komatsubara, H. 4676
Komatsuda, T. 6148
Kombrink, E. 3467, 3904
Komeda, Y. 5226, 5831, 5849
Komen, J. 1650, 2724, 2746, 3821, 6059
Komiac, M. 1710
Kominami, R. 3619
Kominato, M. 125
Komiyama, T. 2050
Kommisrud, E. 4790
Komori, S. 2546
Komuro, I. 254
Koncz, C. 631
Kondo, H. 5078
Kondo, M. 3962
Kondo, N. 5537
Kondo, S. 1559, 2126, 5971, 6601
Kondo, Y. 1952
Kondoh, H. 1867
Kondorosi, Á. 293, 3933, 3996, 4498, 6357
Kondorosi, É. 293, 560, 3933, 3996, 6357
Kondrikov, D. Y. 1715
Konfortov, B. A. 1422
Kong, H. 197
Kong, R. Y. C. 3958
Kong, X. 5049
Koni, P. A. 1296
Konieczny, A. 407, 4716
König, H. 1645
Koning, J. R. A. de 3368
Konishi, K. 674, 2625
Konkle, B. R. 2507
Konno, K. 527
Kono, F. 5971
Kono, T. 1046, 2903, 4860
Kononowicz, A. K. 2856, 5626
Konopleva, A. A. 480
Konoplyova, A. A. 2635
Konradi, C. 4405
Konstandidou, M. 2069
Konstantinov, Yu. M. 5218
Köntgen, F. 2869
Konwar, B. K. 4267-4268
Konzak, C. F. 576
Koo, Y. B. 5148
Kooman-Gersmann, M. 301, 1676
Koonin, E. V. 1716
Koontz, D. A. 3719
Koop, B. 938
Koop, H. Ú. 3184
Koopman, M. B. H. 67
Koopman, P. 365, 767
Koopowitz, H. 5302
Koornneef, M. 2218, 2797, 3097, 5679
Kooter, J. M. 856, 1350
Kopan, R. 1307
Kopchick, J. J. 2803, 4784, 5569
Kopecky, J. 1855
Kopečný, V. 1667, 2127
Köpf, G. 3154
Kopf, G. S. 3236
Kopf, M. 2864, 3120, 3922, 4934
Kopitar, G. 5072
Koppel, D. E. 687
Koppen, C. J. van 3959
Kopriva, S. 5659-5660
Korach, K. S. 2290
Korb, M. 1845, 5156
Korban, M. 4900
Koremura, N. 1659
Korenberg, J. R. 5336
Korenblat, K. 1939
Korfhage, U. 5526
Korfhagen, T. R. 2421
Kormelink, R. 1706
Kormuťák, A. 3089
Kornblihtt, A. R. 3533
Kornfield, I. 4131
Kornhauser, J. M. 4694
Korol', A. B. 1670, 5483
Korostash, M. A. 1122
Korsmeyer, S. J. 1751, 5003, 5478
Korth, K. L. 5535
Koruza, B. 1005, 5554
Korzun, V. N. 3090
Kosco-Vilbois, M 2806
Koshino, S. 6331
Koshkin, A. A. 4212
Kosicki, B. B. 4744
Kosowsky, M. R. 1941
Kossarek, L. M. 2512-2519, 3603, 4132, 6451
Kössel, H. 850, 5816
Kossmann, J. 6413
Kost, S. 4923
Kostka, S. 306
Kostřica, P. 3761
Koszelak, S. 115
Kota, R. S. 4165
Kothari, S. L. 502
Kotobuki, K. 2670
Kou, H. Y. 6518
Kouassi, A 1652
Kouchi, H. 5641, 6267
Koukolíková-Nicola, Z. 1116
Kouril, J. 6062
Kováč, J. 4269
Kovács, G. 3215
Kovacs, K. 3780
Koval, A. 1777
Koval, A. P. 3954
Kovalik, J. P. 5026
Kovari, I. 3103
Kovtun, E. V. 1122
Kovtun, Y. V. 1266
Kow, L. M. 4577
Kowal, C. 1128
Kowalski, K. I. 1764
Kowles, R. V. 5935
Kowyama, Y. 6306
Koyama, E. 2998
Koyama, H. 3612
Koyama, N. 2135
Koyasu, S. 2866
Kozaczyńska, B. 416, 1488
Kozak, C. A. 882, 1846, 1863, 1958, 2888, 3052, 3953, 4121, 4696, 5247, 6474, 6486
Kozak, L. P. 1855, 3333
Kozak, U. C. 1855
Kozik, A. 629
Kozubek, A. 1924
Kozubek, E. 2953
Kozuch, M. E. 2790
Kozyrevich, T. P. 4322
Kraemer, P. 2859
Kraft, J. M. 3672
Kraicer, P. F. 974
Krainer, A. R. 4041, 5185
Krakowsky, J. M. 5496
Krall, M. M. 2526
Kramer, C. 1678
Kramer, J. M. 6236
Kramer, K. 430
Krämer, R. 1645
Kraml, M. 5813, 6249
Kran, S. 1945
Kranert, T. 1047
Kranz, E. 2138, 2141, 4743
Krässlich, H. 2729
Kratochvílová, D. 3761
Krattiger, A. F. 6110
Krätzschmar, J. 675
Kraus, W. L. 3960
Krause, A. 6281
Krause, G. F. 4195
Krause, G. H. 6116
Krause, I. 375
Krause, K. P. 4020
Krause, S. 6576
Krauss, H. 3154, 4774
Krauss, S. 5739
Kravets, E. A. 6008
Krawczyk, Z. 2819
Krawetz, S. A. 5955
Kream, B. E. 37, 5740
Krebbers, E. 4607, 5544
Krebsbach, P. H. 5740
Kreiberg, J. D. 737
Kreijl, C. F. van 2917
Kreike, C. M. 3368
Kreimer, G. 1259
Kreis, M. 2929, 4421, 5687
Kreis, W. 1737, 3746, 4483, 5541
Krejci, E. 5157
Krell, P. J. 2166
Kremer, A. 4176
Kremer, D. F. 5449
Krengiel, R. 112
Krens, F. A. 3312, 4281
Krenz, M. 5805
Kreps, J. A. 4604
Kresovich, S. 5900
Kress, W. J. 1795, 1798, 1834
Kretovics, J. 4896
Kretsinger, R. H. 2904, 2912
Kretzschmar, U. 2636
Kreuger, M. 2098
Kreuzaler, F. 1820
Krieg, A. M. 6174
Krieg, F. 4125, 6490
Krieg, T. 3518
Kriegsmann, B. 4660
Krikorian, A. D. 1553
Krimpenfort, P. 5499
Krimpenfort, P. J. A. 38
Krimsky, S. 552
Krinkels, M. 6169
Krippl, B. 5721
Krisher, R. L. 4883, 5967, 6669
Krishna Dhar 4824
Krishnamurthy, K. V. 1022
Krishnan, H. B. 5114
Krishnasamy, S. 213, 3483
Krisinger, J. 5174
Krisnamoorthy, R. 1499
Krispin-Sørensen, I. 6738
Krištín, J. 1543
Kristjansson, G. I. 4586
Kritis, A. A. 5158
Krivi, G. G. 1954
Krivitzky, M. 5687
Kriz, A. L. 6416
Križková, L. 3349
Krizman, D. B. 1457
Kroeger, P. E. 2401
Krogenæs, A. 2121, 4861
Krogenæs, E. 6045
Krogstrup, P. 1562, 1583, 4875
Kroisel, P. M. 4386
Krokan, H. E. 3597
Krol, A. R. van der 309, 342, 1902-1903
Kron, K. A. 1795, 1813
Kronenberg, M. 3878
Kronenberger, J. 5219
Kronnie, G. te 6343
Kronstad, J. W. 89, 1161
Kroon, J. 2363
Kroon, P. A. 4450
Kropf, D. H. 2685
Kroschewski, R. 5603
Kross, H. 1993
Krska, J. 2381
Krsnik-Rasol, M. 3859
Krueger, B. K. 5577
Krueger, C. C. 4128
Kruft, V. 5634
Kruif, A. de 966, 5376
Kruijer, W. 3530
Kruip, T. A. M. 2609
Krumlauf, R. 246
Krupinska, K. 1335
Kruse, A. 6385
Kruse, E. 1614
Kruth, S. A. 2215
Kryspin-Sørensen, I. 4362, 5454
Krzyzek, R. A. 3344
Ktistaki, E. 5158
Ku, N. O. 5741
Kuang, D. R. 3864
Kubacka-Zębalska, M. 4620
Kubicek, C. P. 2315
Kubo, A. 5537
Kubo, M. 6044
Kubo, T. 2364
Kubo, Y. 2905
Kubota, H. 3884, 5054
Kubota, K. 4825
Kubota, M. 5078
Kučera, V. 2145
Kucherenko, L. A. 1554, 6635
Kuchuk, N. V. 5398
Kück, U. 5817, 6114
Kudirka, D. 6098
Kudla, J. 5816
Kudo, S. 5865
Kudoh, J. 5046
Kuehner, L. F. 2149
Kües, U. 2434
Kuguk, N. S. 1557
Kuhlemeier, C. 1610, 5665, 5791, 6361
Kuhlmann, J. K. 3961
Kühn, C. 4520
Kuhn, E. 2709
Kühn, R. 1743
Kuhn, R. M. 1349
Kühn, S. 2453
Kuhnlein, U. 1399, 2273
Kuida, K. 2868, 5001
Kuijper, J. L. 2334, 6236
Kuiper, H. A. 2187
Kuipers, A. G. J. 3560
Kukimoto, M. 2713
Kukina, I. M. 2176
Kuklin, A. I. 6031
Kulaeva, O. N. 2176
Kulesh, D. A. 4414
Kulkarni, A. B. 3403, 3513, 6213
Kullik, I. 167
Kulseth, M. A. 6478
Kumagai, I. 134
Kumaki, S. 3962
Kumar, A. 2021, 2833, 3539, 6219
Kumar, A. M. 4007
Kumar, B. V. 649
Kumar, H. D. 6759
Kumar, L. 392, 4437
Kumar, M. C. 1486
Kumar, M. V. 5146
Kumar, N. 82, 1086, 2099
Kumar, P. P. 4838
Kumar, P. V. S. 3295

Kumar, R. 857, 3337
Kumar, S. 3604, 5055
Kumar, T. R. 2228
Kumar, V. 2681, 4337
Kumar, V. B. 3437
Kumar, V. D. 6003
Kumaravadivel, N. 4317
Kumashiro, T. 6143
Kumazawa, Y. 2924
Kump, B. 3086, 5901
Kunaeva, R. M. 2878
Kunal Mukhopadhyay 3720
Kündig, T. M. 157
Kunert, K. J. 6711
Kung, S. D. 200, 1253
Kunieda, T. 977
Kunihiro, Y. 1059
Kunik, T. 6188
Kunitake, H. 1060
Kunkel, B. N. 113
Kuno, J. 6215
Kunos, G. 661
Kunsch, C. 2867
Kunst, C. B. 3936
Kuntz, M. 5627
Kunz, C. 654, 2848
Kunz, H. W. 2335, 3061, 3957
Kunze, R. 2453, 6386
Kuo, A. 2221
Kuo, H. E. 6517
Kuo, T. H. 2413
Kuo, T. T. 5438
Kuo, Y. J. 3721
Kurachi, Y. 3612
Kurahara, C. G. 3326
Kuramoto, T. 1952, 4695
Kurata, H. 1607
Kurata, N. 4719, 5896, 5911, 5927
Kuratani, S. 5176
Kuriakose, B. 5423
Kurihara, K. 4513
Kurihara, T. 2906
Kurimura, T. 3457
Kurman, C. C. 260
Kuroda, S. 2637, 3192
Kuroiwa, K. 4507
Kuroiwa, T. 4644
Kurosawa, N. 5057
Kurosawa, S. 3261
Kurtén, U. 1280, 3348
Kurtz, B. 2865
Kurtz, T. W. 3049
Kurup, B. M. 5423
Kusakabe, M. 5596
Kusakabe, Y. 757
Kush, A. 309, 733
Kushida, S. 3973
Kushner, P. J. 5159
Kusnetsov, V. V. 2176
Kusser, W. C. 2326
Küster, H. 3484-3485
Kusters, J. G. 67
Kusunoki, H. 4126, 4793
Kutchan, T. M. 2278
Kutoh, E. 2996
Kutsunai, S. Y. 2951
Kutty, G. 3114
Kutty, R. K. 3114
Kuwabara, K. 3619
Kuwana, T. 596
Kuwata, S. 120, 1727
Kuwayama, M. 5379
Kuziel, W. A. 3963
Kuźmak, J. 416, 1488
Kuz'mina, T. A. 3717
Kuznetsov, V. V. 2176
Kuzovkina, I. N. 4445
Kvaalen, H. 4826, 4831
Kvalnes-Krick, K. L. 676
Kwak, J. M. 1276, 5216
Kwak, S. S. 5416
Kwan, K. M. 3958
Kwart, M. 1904
Kwast-Welfeld, J. 1308
Kweon, S. J. 3762
Kwok, S. F. 725, 5855
Kwon, H. B. 6399
Kwon, H. M. 1489-1490, 5154
Kwon, M. S. 558
Kwon, O. Y. 1276
Kwon, Y. C. 3762
Kwon, Y. D. 2918
Kyle, M. M. 4988, 6761
Kyo, M. 20
Kyozuka, J. 603, 858, 4090, 5818
Kypr, J. 238
La Cognata, U. 5668
La Rosa, F. A. 3529
La Volpe, A. 96
Laat, S. W. de 2609
Labarca, C. 3430
Labarère, J. 1324, 3862
Labat, I. 938
Labate, C. 4092
Labavitch, J. M. 1328
Labbé, H. 6384
Laberge, S. 1080, 5098, 6099
Labonne, M. P. 3593
Labosky, P. A. 2402
Labrie, F. 5609
Labrie, Y. 5609
Labruyère, W. T. 4928
Lacaze, P. 5287
Lacham-Kaplan, O. 4306
Lachman, C. E. 450
Lacroute, F. 5671
Lacy, W. R. 677
Ladd, D. 4967
Lader, E. 3658
Lados, M. 630
Ladoux, A. 4583
Laegreid, W. W. 3153
Lafiandra, D. 1440, 5887
Lafleuriel, J. 6554
Lafont, P. 2710
Lafontaine, J. G. 848
LaFrancis, D. 37
Lagneaux, D. 3678
Lagrange, T. 2365
Lagu, M. D. 6548
Lagudah, E. S. 4170, 4985, 5291, 5295
Laguerre, G. 169
Lahbib-Mansais, Y. 900, 906
LaHood, E. S. 4189
Lai, F. M. 481
Lai, L. 1125
Lai, M. Y. 5744
Lai, Y. K. 1263, 2794
Laigret, F. 133
Laimer da Câmara Machado, M. 2846
Lainé, E. 6004
Laipis, P. J. 3434
Laiq-ur-Rahman 1685
Laird, P. W. 5742
Lakhani, S. 2454
Lakhotia, S. C. 3659
Lakshmanan, P. 4283
Lakshmikumaran, M. 1830, 4565, 5285, 5661
Lal, A. 5056
Lal, N. 1006-1007
Lala, D. S. 1310, 2398
Lalande, F. 2038
Lallemand, Y. 4062
Laloue, M. 5685
Lalu, K. 942
Lam, E. 5119
Lam, E. W. F. 626
LaMantia, A. S. 31
Lamb, B. T. 4410
Lamb, C. J. 114, 1332, 5527, 6295
Lamb, N. 6715
Lamballe, F. 255
Lambert, C. 6656
Lambert, J. F. 5500
Lambert, J. N. 682
Lambert, N. 4465
Lamboy, W. F. 5900
Lamers, M. 3922
Lamers, M. C. 3120
Lamers, W. H. 3118, 4928
Lamian, V. 5743
Lamkey, K. R. 1988
Lammeren, A. A. M. van 4876
Lammers, J. H. M. 3438
Lamond, A. I. 859
Lamont, S. J. 706
Lampe, D. J. 6189
Lampe, K. 1
Lamture, J. B. 4744
Lamy, B. 2253
Lan, C. L. 103
Lan, Y. H. 2691
Lanahan, M. B. 2475, 5819, 6421
Lanaud, C. 1438, 3082, 3632, 4155, 4720, 5274, 5875, 5902
Lancelin, D. 5928
Land, J. A. 2601
Landau-Ellis, D. 6539
Landegren, U. 2594
Landen, C. N. 2765
Lander, E. S. 366, 1937, 3050
Landesman, E. 3074, 3605
Landgren, M. 3318, 3870
Landreth, K. T. 2867
Landry, B. S. 937, 1458
Landset, M. 6463
Landsmann, J. 6138, 6388
Landwehr, J. 678
Lane, B. G. 5654
Lane, M. 4236
Lane, M. D. 627
Lane, P. 2806
Lane, P. W. 1406
Lane, S. D. 4261
Lane, W. S. 682, 2896, 5664
Lane Rayburn, A., III 5352
Lang, R. A. 587
Lång, V. 4906, 6712
Lang, Y. 2869
Langdale, J. A. 5220
Lange, K. 3077
Lange, P. de 1350
Lange, R. 2859
Langebartels, C. 3788
Langemeier, J. L. 2520
Langer, J. A. 3966
Langheinrich, U. 6644
Langille, A. R. 5009
Langner, C. A. 2484
Langridge, P. 1989, 4177, 4542
Langridge, U. 4177
Langsley, G. 68
Langston, A. A. 3418
Lanigan, T. M. 245
Lanneau, M. 2837
Lanneluc, I. 3063
Lantier, F. 3593
Lanz, T. 5116
Lanzini, S. 4557
Laouar, L. 1004
Laperrière, A. 3516
Lapetina, E. G. 1791
Lapidot, M. 1717
Lapitan, N. L. V. 1913, 4165
Laplanche, J. L. 901-902
Lapp, M. S. 1013
Lappi, D. A. 3012
Lapteva, O. K. 4287
Laquel, P. 6400
Lareyre, J. J. 664, 1801
Larigan, J. D. 2867
Larimer, F. W. 4748
Larin, Z. 3051, 5950
Larina, S. N. 4354, 6104
Lark, E. 3491
Lark, K. G. 1990, 1993-1994, 6540
Larkin, J. C. 2455, 6282
Larkin, P. J. 2638, 3319
Larkins, B. A. 1891, 1905, 2466, 6246
Laroche, A. 6439
Larondelle, Y. 5899
Larsen, E. 489
Larsen, K. 1922, 5820
Larsen, P. R. 2871
Larsen, W. J. 1579
Larson, R. G. 2506, 3621, 4669, 4693
Larson, R. L. 2448
Larson, S. B. 115
Larsson, B. 972-973, 1580, 2123, 2130, 5374
Larsson, C. T. 4606
Larsson-Blomberg, L. 2870
LaRue, H. 3504
Lasa, J. M. 2791
Laser, B. 5817
Lashermes, P. 1437
Lashkevich, V. A. 3881
Laskey, J. G. 5230
Lassar, A. 5000
Last, D. I. 5481
Last, R. L. 862, 864
Lastrella, C. N. 2822
Laszlo, G. 3400
László, M. 4896
László-Bencsik, Á. 4255
Latché, A. 2472, 4776
Latchman, D. S. 4034
Latgé, J. P. 2253, 2581
Lathe, R. 4921
Lathrop, M. 904
Laties, G. G. 207, 1923, 2951
Latimer, J. J. 4046
Latterich, M. 6283
Latypov, S. A. 17, 29
Lau, D. 3058
Lau, E. T. 3958
Lau, Y. F. C. 5719, 6338
Laude, H. 54
Laudencia-Chingcuanco, D. L. 4655
Lauderdale, J. D. 5166
Laudié, M. 211, 4003
Lauer, S. J. 594, 4061
Lauerer, M. 4092
Laufer, E. 5753
Laughner, B. 575
Launay, J. M. 901-902
Laurain, D. 1061
Laurent, B. C. 5243
Laurent, F. 145
Laurent, P. 4675, 5080
Laurent, V. 1438, 4720, 5902
Lauridsen, P. 339
Laurie, D. A. 4721
Lauro, R. di 2980
Laursen, C. M. 3344
Laursen, N. B. 330, 5820
Laursen, S. B. 1219
Lautier, M. 5560
Lavachev, L. 5473
LaVallie, E. R. 2327
Laverrière, J. N. 5339
Lavi, U. 447
Lavia, P. 165
Lavigne, C. 4361
Laviña, A. 436
LaVoie, V. A. 3770
Law, C. 1351
Law, J. H. 1215
Lawitts, J. A. 3333, 5361
Lawler, A. M. 3660, 4410
Lawn, R. M. 6161
Lawrence, G. 605
Lawrence, J. C., Jr. 5049
Lawrence, W. 155
Lawruk, T. S. 450
Lawson, E. J. R. 4198
Lawson, H. 1090
Lawton, A. R. 3519
Lawton, K. 1184, 1640, 3905
Lawton, K. A. 5528
Lawton, M. P. 177
Lay-Yee, M. 4012
Lazar-Wesley, E. 661
Lazaridou, T. B. 482
Lazaroff, W. R. 6620
Lazarowitz, S. G. 1723
Lazarte, J. E. 5991
Lazarus, C. M. 6577
Lazary, S. 76, 1230
Lazdunski, M. 2883, 6228
Lazo, P. A. 916
Lazzaro, D. 1312
Lazzaroni, N. 4557, 4996
Le, J. 156, 4999
Le Bourgeois, P. 5560
Le Fur, G. 5080
Le Gal, F. 2048
Le Gall, O. 2837
Le Mouellic, H. 4062
Le Page, R. 4366
Le Pennec, J. P. 692
Le Roux, M. G. 692
Le Tissier, P. 3079

Lea, P. J. 3833, 6401
Lea, V. 4154
Leach, C. K. 6749
Leader, D. J. 6309
Leader, K. 5150
Leah, R. 3906
Leal, D. P. 6636
Leaman, D. W. 5160
Learn, G. H., Jr. 1795, 1798
Leathers, R. R. 2100
Leaver, C. J. 3252, 5794, 5798, 5844
Leaver, J. 6077
Leaver, M. J. 679
Lebedev, A. V. 4212
Lebedev, S. G. 4788
Lebedeva, L. F. 4788
Lebeurier, G. 121
Lebkowski, J. S. 3845
Leblanc, N. 6137
Leblay, C. 2619
Leboeuf, B. 2048
Lebovitz, R. 4407
Lebovitz, R. M. 2236, 5183
Lebowitz, M. S. 5591
Lebrun, P. 4155, 5875
Lecharny, A. 5687
Lechopier, P. 3593
Leclercq, D. 1651
Leco, K. J. 691
Lecommandeur, D. 4750
Lecompte, F. 524
Lecoq, H. 116
Ledbetter, C. A. 3704
Ledda, S. 6693
Leder, A. 2221
Leder, P. 591, 701, 2221
Lederer, T. 5340
Ledley, F. D. 1666, 5083
Ledoigt, G. 6698
Leduc, N. 568, 4947, 6147
Lee, A. 5855
Lee, A. V. 4649
Lee, B. C. 5392
Lee, C. M. 2718
Lee, C. S. 1137
Lee, C. W. 185, 5592
Lee, D. A. 3048, 3610
Lee, D. C. 3334, 3967
Lee, D. J. 4178, 4722
Lee, D. M. 3064
Lee, D. S. 1276
Lee, E. A. 6536
Lee, E. J. 3404
Lee, E. S. 566
Lee, F. 5043
Lee, F. M. van der 1889
Lee, G. S. 517
Lee, H. 5028
Lee, H. H. 185, 1276
Lee, H. I. 1373, 2952
Lee, H. S. 3722, 3773, 5667, 6256
Lee, H. T. 4778, 6424
Lee, I. 3486
Lee, J. 3058
Lee, J. E. 1129
Lee, J. H. 4722
Lee, J. I. 3722
Lee, J. M. 1225, 3999, 5424
Lee, J. S. 2907, 5180
Lee, K. 2458
Lee, K. C. 6080
Lee, K. F. 3925
Lee, K. H. 185-186, 1106, 5592
Lee, K. J. 3332
Lee, K. K. 960, 1137
Lee, K. S. 4789
Lee, L. C. 3992
Lee, L. F. 85
Lee, M. 1988, 3362, 5292, 5296, 5303, 5309, 6180
Lee, M. C. 1810
Lee, M. K. 5738
Lee, M. L. 3640-3641
Lee, M. S. 4789, 4795
Lee, N. M. 882
Lee, S. 2507, 2997
Lee, S. A. 4012
Lee, S. B. 558, 2562
Lee, S. C. 135, 5744
Lee, S. H. 5382
Lee, S. J. 4511, 4584, 5257
Lee, S. K. 3762, 5392
Lee, S. P. 298
Lee, S. W. 2711
Lee, S. Y. 6256
Lee, T. F. 6760
Lee, T. Y. 4859
Lee, V. Y. H. 4167
Lee, W. B. 4179, 6148
Lee, W. S. 2926
Lee, Y. C. 5057
Lee, Y. H. 4115, 4585
Lee, Y. H. W. 5600
Lee, Y. M. 5744
Leech, M. J. 3481
Leech, R. M. 3562
Leegood, R. C. 3833
Leela Sahijram 3214
Leemans, J. 6
Leeper, L. L. 1391
Leeper, S. A. 6084
Leers, J. 5161
Lees, E. 6167
Leeuw, O. S. de 67
Lefebvre, C. 3551, 4081
Lefebvre, M. 6136
Lefebvre, V. 4180
Lefèvre, C. 2975
Lefèvre, F. 5593
Leffak, M. 4029
Lefort, S. 5080
Legendre, B. L. 432
Legocka, J. 5821
Legrand, M. 1277, 4005, 4008, 4021, 4367
Legraverend, C. 797
LeGuern, C. 1771
Lehfer, H. 929
Lehman, D. J. 5581
Lehman, E. D. 1187
Lehmann, P. 2953
Lehn, D. A. 3964
Lehnert, S. A. 2761
Lehrach, H. 3051, 5950
Lei, J. 1394
Leib, D. A. 2564
Leibach, F. H. 5038
Leibach, J. 6595
Leibel, R. 1390
Leibel, R. L. 1936
Leibfried-Rutledge, L. 4858
Leibfried-Rutledge, M. L. 2663
Leibo, S. P. 3165
Leibovitch, S. A. 4501
Leiding, C. 2602
Leimgruber, R. M. 3806-3807
Lein, D. H. 1142
Leiner, H. A. 3936
Leinhos, V. 483
Leinwand, L. A. 2208, 3306
Leirer, R. 1483
Leisy, D. J. 6444
Leitch, A. R. 164, 3029, 4169, 6572
Leitch, I. J. 164, 4169, 4721, 6572
Leite, A. 4117
Leiter, E. H. 2521, 4679
Leitner, G. 3074
Lejarreta, M. 2204
Lejeune, B. 1893, 4088, 5903
Lejeune, P. 1877
Lek, K. C. 2355
Leland, F. 2765
Lele, Z. 564
Lelias, J. M. 5080
Lelièvre, J. M. 2472, 4776
Lelu, M. A. 4270-4271, 6005
Lemaire, L. 2328
Lemaux, P. G. 3863
Lemer, M. 595
LeMeur, M. 618, 1742, 4051
Lemežis, E. 6713
Lemieux, C. 2243, 4417
Lemme, E. 1694
Lemmon, V. 2316
Lemoine, A. 5356
Lenarčič, B. 5072
Lenardo, M. J. 5138
Lendahl, U. 2234
Lende, T. van der 1045, 5354
Leneman, M. 4288
Lengauer, C. 4756
Lengwinat, T. 453, 4862
Lenman, M. 2456, 3570
Lenormand, J. L. 4501
Lent, J. van 3367
Lentini, Z. 3765
Lenz, W. 3959
Leo, P. de 4469
Leon, F. A. P. de 1049, 2058
Leon, V. de 1311
Leonard, J. 2997
Leonard, W. J. 5247
Leonardi, A. 4731
Leonards-Schippers, C. 4162
Leonardsson, G. 5750
Leone, A. 4356
Leone, P. 911
Leong, J. C. 607
Leong, S. A. 1177
Leopold, L. 1390
LePage, D. F. 2323
Lepetit, M. 277
Lepiniec, L. 6402
Leplé, J. C. 3841
Leppänen, P. 585
Leppen, H. T. C. 2469
Leppens, G. 2066
Lepper, M. 5684
Lerbs-Mache, S. 2365
Lerchl, J. 6171
Lerious, V. 905
Lernbecher, T. 2807
Lerner, A. 2866, 3520
LeRoith, D. 1777, 3954, 5181
Leroux, C. Nielsen- 2692
Leroy, P. 519, 5293
Les, D. H. 1795, 1826
Lesage, F. 2883
Lesbore, O. 572
Lescure, B. 1807, 2928
Lescure, J. C. 4081
Leslie, C. 4983
Leslie, C. A. 573
Lesslauer, W. 2869
Lester, D. R. 2944, 6284
Lester, H. A. 3430
Lester, T. D. 4863, 6605
Lestienne, P. 3443
Letchworth, G. J. 3151
Leterme, S. 4605
Leto, K. J. 6201
Letourneur, F. 2887
Letouzé, R. 2639
Letterio, J. J. 3513, 6213
Lettice, L. 4211
Letvin, N. L. 662
Leu, T. H. 5039
Leube, M. P. 5118
Leung, C. 5174
Leung, C. K. 5174
Leung, D. T. M. 4411
Leung, H. 1162
Leung, J. 5115
Leung, N. 2785
Leung, S. O. 2565
Leunissen, E. H. M. 6624
Leurs, R. 3977, 5073
Leustek, T. 870, 6274, 6285
Leuven, F. van 1249, 2352, 3965, 5101
Lev-Yadun, S. 288
Leva, A. R. 4827
Levall, M. W. 2875
Levan, G. 1394, 1965, 3062, 6501
Levanon, D. 6203
Levavi-Sivan, B. 4326
Levay, K. E. 1715
Levenson, R. 3608
Lever, A. 1929
Leversha, M. A. 1452
Lévesque, J. T. 4239
Levéziel, H. 1395, 1400, 3620, 6485
Levi, A. 4185, 5904
Levi, G. 2293
Levi, M. 4828
Levin, I. 2503
Levin, N. 2084
Levin, S. D. 3321
Levine, A. J. 5714
Levine, R. A. 798
Levine, S. A. 834
Levings, C. S., III 857, 1372, 2160, 4618, 5535, 5558
Levis, R. J. 4751
Levy, D. 1024
Levy, L. Ø. 825
Levy, N. 842
Levy-Wilson, B 3871
Lew, A. M. 3121
Lewald, J. 1164, 2841, 4159
Lewalski, H. 1047
Lewin, H. A. 4065
Lewinsohn, E. 6573
Lewis, A. 4219
Lewis, D. B. 2229
Lewis, I. 3241
Lewis, J. L. 4680
Lewis, K. A. 1788, 4033
Lewis, P. E. 1424, 3585
Lewis, R. A. 879
Lewis, S. 4219
Lewis-Williams, J. 5965
Leyhe, B. 4681
L'Homme, Y. 3251
Lhuangmahamongkol, S. 5370
Li, A. 310, 3009
Li, B. 4429
Li, B. J. 1037, 2792, 4302
Li, E. 1856
Li, H. 2329
Li, H. B. 1759
Li, H. H. 6716
Li, H. M. 311, 5221
Li, J. L. 284
Li, J. M. 1036
Li, K. 359, 1407
Li, L. 3378, 6451
Li, L. H. 6637
Li, L. R. 312, 4075
Li, L. W. 6092
Li, L. Y. 915, 3347, 4103
Li, M. 4655, 4931
Li, M. G. 1352
Li, P. 5162, 5683
Li, Q. 2766, 4972
Li, Q. B. 5091, 6286, 6350
Li, R. G. 5900
Li, S. 621, 2811
Li, S. J. 462
Li, S. S. L. 2900, 4126
Li, S. T. 398
Li, T. 734
Li, T. Y. 3378
Li, W. 1174, 3371
Li, W. G. 88
Li, W. H. 5099
Li, W. Y. 188
Li, X. 2403, 4133, 5362
Li, X. H. 1008, 3866
Li, X. X. 5814
Li, Y. 799, 1696, 5222, 6052
Li, Y. G. 2627, 2638, 3319
Li, Y. I. 3866
Li, Y. L. 577
Li, Y. Q. 6590
Li, Y. W. 2413
Li, Z. 2808
Li, Z. J. 353, 1009
Li, Z. S. 8, 2640
Li, Z. W. 5834
Liang, G. H. 4728
Liang, H. 6689
Liang, P. 800
Liang, X. W. 2366
Liang, Y. M. 1066
Liang, Y. Y. 174
Liang, Z. Q. 5999
Liao, S. 691
Liao, W. S. L. 2388
Liao, X. 597
Liapaki, K. 5189
Liau, G. 248
Libbenga, K. R. 275, 3712
Libiaková, G. 3193
Lichtenstein, C. 1811
Lichtenstein, C. P. 3355
Lichtenstein, M. 4047
Lichtler, A. 37

Lichtler, A. C. 5740
Liddell, A. 5794
Liddle, R. A. 3948
Liddle, S. A. 1165
Lie, Ø. 909, 1228, 3613, 6243-6244, 6479
Lie, T. A. 629
Lieber, M. R. 182
Lieberman, M. W. 2236, 5183
Liedgens, H. 1164, 2841, 4159
Liedtke, C. 2041
Liem, R. K. H. 1857
Lien, S. 3606, 6478
Lienhard, G. E. 4509
Lienhard, S. 6323
Lifschitz, E. 4018, 4104
Liggitt, D. 4940, 5476
Liggitt, H. D. 2229
Light, A. 2327
Lightner, D. 71
Lightner, J. 3491
Liharska, T. 3097
Lihrmann, I. 1844
Lijsebettens, M. van 6403
Lillquist, J. S. 5501
Lillycrop, K. A. 4034
Lim, B. 5765
Lim, H. C. 3723
Lim, J. K. 3966
Lim, J. M. 3233, 5363, 6600
Lim, N. F. 3430
Lim, P. L. 4411
Lim, T. M. 4201
Lim, Y. S. 558
Lima-de-Faria, A. 6493
Limet, J. N. 1476
Lin, A. 353
Lin, A. C. 2951
Lin, A. H. 2233
Lin, B. L. 6717
Lin, C. P. 1079
Lin, C. R. 5163
Lin, C. T. 1814
Lin, C. Y. 226, 3877, 4905, 5702
Lin, D. T. 461
Lin, E. 1353
Lin, G. 5585
Lin, H. 5317
Lin, H. D. 1525
Lin, H. H. 188
Lin, H. X. 5917
Lin, J. 3855
Lin, J. H. 3616, 5604-5605
Lin, J. Y. 1810
Lin, M. 2226
Lin, M. T. 1810
Lin, N. S. 437
Lin, Q. 3002
Lin, S. C. 816, 5163
Lin, S. F. 1430
Lin, S. H. 244
Lin, S. Y. 5911
Lin, T. Y. 1263, 6442
Lin, X. 2661
Lin, Y. C. 4864
Lin, Y. R. 5271
Lin, Y. Z. 2116
Lin, Z. 256
Linacero, R. 5555
Linard, C. G. 1681
Linck, B. 4512
Lincoln, D. N. 4737
Lincoln, S. E. 3050
Lindahl, K. F. 262
Lindahl, U. 5036
Lindberg, G. L. 3304, 3452
Lindbo, J. A. 2263, 5533
Linde, S. 3025
Lindeberg, H. 2057
Lindemann, D. 2809
Linden, H. 1729
Lindenau, A. 5364
Linder, C. R. 2183
Linders, K. 5742
Lindgren, D. 3089
Lindsey, B. R. 3234
Lindsey, K. 1889, 4610, 5127, 5241
Lindstrom, J. T. 3487, 6550
Lindström, K. 942
Lindzey, J. 4048, 5146
Ling, J. T. 6155
Ling, N. 1793, 3012
Ling, T. 3427
Ling, V. 3989
Lingaas, F. 6479
Lingen, B. van 154
Lingrel, J. B. 5496, 5547
Linhares Sampaio, R. 5421
Link, G. 5231
Link, R. E. 3607
Linnestad, C. 4067
Linney, E. 31, 1309, 2535
Lino, M. 6215
Linsenmayer, T. F. 680
Linstead, P. 6299
Lintermans, P. 1500
Linthorst, H. J. M. 2835, 3891, 4549
Linzer, D. I. H. 822
Liou, L. S. 3056
Liou, R. F. 98
Liou, W. 5016
Lipari, S. E. 2588
Lipkin, E. 1778, 5334
Lipkin, S. M. 5164
Lipman, D. J. 749
Lipp-Nissinen, K. H. 2782
Lippman, D. L. 882
Lippok, B. 4622
Lippuner, V. 6287
Lips, C. J. M. 3540
Lipson, K. 418-419
Lira, S. A. 2230
Lishman, A. W. 4332
Lišková, D. 3194, 5393
Lisle, G. W. de 1478
List, A., Jr. 314
Lister, C. 930, 1999, 2457, 4716
Liszt, K. 4896
Litchfield, A. M. 4134
Little, M. C. 3670
Little, P. J. 834
Littman, D. R. 3331
Litvak, S. 2428, 5769, 6400
Litz, R. E. 2641, 3730, 4274
Liu, A. C. 6161
Liu, B. 4013
Liu, B. H. 3636, 6523
Liu, C. 3544
Liu, C. J. 4723
Liu, C. M. 3866
Liu, D. 3568
Liu, E. T. 2385
Liu, F. 5165, 6052
Liu, F. N. 577
Liu, G. X. 2704
Liu, G. Z. 461
Liu, H. C. 4693
Liu, J. 2337
Liu, J. P. 2312, 5716
Liu, J. R. 4944, 5416
Liu, J. W. 4345
Liu, J. Y. 5553
Liu, K. 5166
Liu, K. C. 1525
Liu, L. 2431, 2827, 5662-5663, 5776
Liu, M. C. 3724
Liu, M. L. 41, 2231
Liu, Q. 1309, 3725, 6716
Liu, S. 2655
Liu, S. T. 5335
Liu, S. Y. 4585
Liu, W. 5691
Liu, X. 3561
Liu, X. F. 1481
Liu, X. J. 5119
Liu, Y. 117, 1218, 2324, 3521, 4049, 4940, 5207
Liu, Y. C. 1983, 2588, 2711, 3442
Liu, Y. D. 873
Liu, Y. G. 1447
Liu, Y. J. 1079, 5247
Liu, Y. Q. 181
Liu, Y. T. 4894
Liu, Z. 590, 4181, 4724
Liu, Z. B. 5822
Liu, Z. D. 915
Liu, Z. L. 1614
Liu, Z. Z. 3539
Liu JianWei 4345
Liu Lin 2827
Liuni, S. 2976
Livesley, M. A. 543
Livey, I. 1503
Livingston, B. D. 681
Livneh, O. 6521
Llewellyn, D. J. 286, 3369
Lloyd, A. M. 4093
Lloyd, C. W. 743, 4077
Lo, C. W. 3004, 4589
Lo, K. 1761
Lo, L. C. 1194
Lo, P. K. 6363
Lo, T. B. 4503
Lo Cicero, S. 97
Loader, N. M. 1816
Loake, G. J. 1332
Lobanenkov, V. V. 5155
Lobel, P. 5549
Löbler, M. 1815
Lobréaux, S. 313
Locatelli, F. 2783
Locker, J. 838
Lockhart, P. J. 4214, 4760
Lockwood, S. F. 2908
Lodder, S. 2028
Lodes, M. J. 1148
Lodge, J. K. 2279
Lodhi, M. A. 6574
Lodish, H. F. 5766
Loeffler, J. P. 3100, 4929
Loeschcke, V. 1632
Loewen, K. S. 1141
Loewy, Z. G. 3115
Lofton-Day, C. E. 6236
Loftus, R. T. 4662
Logan, C. 2810
Logan, J. S. 3337
Logan, K. 4240
Logemann, J. 2777, 3906
Logemann, S. 3906
Lognay, G. 467
Logsdon, C. D. 196
Logue, S. J. 4318
Loguercio, L. L. 3196
Loh, C. S. 1817
Loh, D. Y. 2868, 5001
Loh, H. H. 882
Löhler, J. 1743
Lohman, F. P. 2357
Lohman, K. N. 3486
Lohman, P. H. M. 3664
Lohmer, S. 2460
Lohnes, D. 618, 2287
Lohuis, M. R. ten 3116
Lohuis, M. ten 5225
Loi, P. 4849
Loidl, P. 4745, 5206
Loitsch, S. M. 1609, 1640
Lok, S. 6236
Lomax, K. J. 3953
Lomax, M. I. 4521
Lombard, D. B. 3400
Lombard-Gillooly, K. 2867
Lombardi, M. 3426
Lomonossoff, G. P. 2847
Lomov, A. A. 2522
Lonergan, P. 965, 4790
Long, C. R. 2058
Long, D. 2458, 4198, 5905
Long, G. W. 3146
Long, H. 5099
Long, J. J. 1381
Long, M. T. 2827
Long, S. 4831
Longstaff, M. 118, 3890
Longstaff, S. 3277
Lönneborg, A. 3129
Lönnig, W. E. 5783, 5823
Lonsdale, D. M. 1285, 4094, 5699
Loo, F. J. van de 6288
Loof, A. de 2771
Looft, C. 5861
Lookeren Campagne, M. M. van 4316
Loonen, A. 1365, 4630
Looney, C. R. 1596, 3234
Loos, F. A. M. de 5413, 5974
Lopatárová, M. 3684
Lopato, S. V. 6192
Loper, M. 3388
Lopes, M. A. 1905
Lopes da Costa, L. F. 3685, 3768
López, A. P. 5393
Lopez, E. 5564
Lopez, G. N. 5159
López, L. A. 1754
López-Báez, O. 1555
López-Juez, E. 5235
López-Pérez, M. J. 2031
López-Pila, J. M. 1626
Lopez-Real, J. M. 2700
López-Rodas, G. 4745, 5206
Lopez-Sebastian, A. 4332
Lorang, J. 1172
Lord, E. M. 5313
Lorent, K. 3965
Lorenz, M. G. 1627
Lorenzo, G. de 97, 3633, 6175
Lorenzo, I. 5479
Loretz, C. J. 5874
Loring, J. F. 3326
Lorković, Z. 3859
Lörz, H. 1167, 2138, 2141, 2772, 3751, 3897, 4388, 4743
Losberger, C. 4588
Löschenberger, F. 3195
Lossie, A. C. 1953
Lötscher, H. 2869
Lötscher, P. 3947
Lottspeich, F. 1255, 2249
Lou, H. 2889, 5830
Lou, X. J. 2404
Loudon, A. S. I. 6058
Louie, M. C. 2868
Louie, R. 5923
Lourenção, A. L. 3210
Lourens, A. 6582
Louro, R. P. 485
Louter, J. H. 6761
Louzada, E. S. 1688
Love, J. 2232
Love, P. E. 3404
Loveland, B. E. 1223
Lovell-Badge, R. 767, 1850, 2405, 4664
Løvendahl, P. 2509
Lovett, M. A. 2826
Lovmand, J. 5470
Low, M. J. 159, 2228
Löw, R. 1974
Low, S. H. 712
Lowe, A. 1278-1279, 4556
Lowe, K. 4987, 5539
Lowe, K. C. 1004, 3190, 3726, 4808
Lowell, B. B. 3333
Lowell, C. A. 3923
Lowrey, P. L. 4694
Loyola-Vargas, V. M. 147
Loyter, A. 4071
Lozano, F. 588
Lozano, R. 5041
Lozoya-Glória, E. 1291
Lu, B. W. 5802
Lu, C. Y. 2349, 2944, 4818
Lu, G. H. 214
Lu, J. 1219, 5315, 5317, 5917
Lu, J. H. 6363
Lu, K. P. 5601
Lu, M. Z. 3378
Lu, T. S. 4466
Lu, W. 162
Lu, W. L. 518
Lu, X. 265
Lu, Y. 4050
Lu, Y. H. 922, 5274
Lu, Z. X. 1817
Lualdi, J. C. 5720
Luan, S. 5664
Lubahn, D. B. 2290
Lübberstedt, T. 4095, 4623
Lubega, G. W. 4424
Lucas, H. 3083
Lucas, M. 1729
Lucas, M. O. 6032
Lucas, W. J. 1717, 2452, 6198
Lucas-Hahn, A. 2127

Lucassen, E. 4369
Lucchesini, M. 2642
Lucenko, G. N. 5218
Lücke, E. M. 1096
Luckett, D. 2142
Luckey, J. A. 3117, 4752
Luckman, G. A. 6020
Lucotte, G. 1644, 4373
Lucretti, S. 6567
Lucy, M. C. 1954
Ludecke, H. J. 179
Ludwig, H. 1491
Ludwig, J. 1204
Ludwig, T. 5549
Ludwig, W. 3860
Luehrsen, K. R. 4624, 5824
Luetteke, N. C. 3334, 3967
Lufkin, T. 246, 618, 4051
Lugert, T. 6289
Lugt, N. M. T. van der 1748, 5742
Lugtenberg, B. J. J. 1640
Luh, J. 5043
Luke, G. 978, 6159
Lukose, R. 3697
Lulu Das 4913
Lumsden, A. 2990
Lumsden, P. J. 1354
Lund, B. M. 3150
Lund, F. E. 3435
Lund, S. 3597
Lund, T. 42
Lundeen, K. A. 2920
Lundin, C. G. 2725
Lunen, T. A. van 4331
Lunt, D. K. 1423
Luntz, T. 1160
Luo, C. 682
Luo, J. 6452
Luo, M. 1615
Luo, W. 1310
Luo, X. 2398, 5187
Luo, X. T. 4323
Luo, Y. 3561
Luo, Z. W. 2201, 3065
Luongo, C. 366, 1937
Lupo, R. 2850, 4986
Lupotto, E. 2783, 4996
Lur, H. S. 1906
Lurquin, P. F. 987
Lusardi, M. C. 4625, 6150
Lusby, W. R. 2280
Lushnikova, T. 892
Lusis, A. J. 5163
Lussier, J. G. 5583
Lusson, J. 189
Luth, D. 1330
Luther, B. 3149
Lutova, L. A. 2077-2078, 5486
Lutsenko, G. N. 5218
Lutterbach, R. 4829
Lüttge, U. 1974
Lütticke, R. 2453
Lütticke, S. 2776
Lutz, C. T. 3132
Lutz, E. M. 1315
Lutziger, I. 5665
LuValle, P. A 1693
Lux, A. 3194, 5393
Luz, M. R. M. P. 4771
Luz Sierra, M. de la 4759
Luza, J. 6028
Lycett, G. W. 4539
Lydiate, D. 2367
Lydiate, D. J. 4183
Lydon, J. 2280
Lyman, F. 548
Lyman, S. D. 2330
Lynch, C. M. 4930
Lynch, D. R. 2543
Lynch, J. P. 1310
Lynch, P. T. 6638
Lyne, R. L. 4291, 6691
Lynn, D. G. 1106, 6134
Lynn, J. R. 2668
Lyon, G. D. 2264
Lyon, J. 2021
Lyon, K. S. 4907
Lyon, M. F. 2406, 2523, 6480
Lyons, C. E. 5594
Lyons, L. A. 3069
Lyons, V. 4504
Lysenko, E. S. 389
Lytton, J. 3426
Lyu, M. S. 4696
Lyubavina, O. V. 6037
Lyznik, A. 6542
Ma, D. P. 1142
Ma, H. 2483, 4323
Ma, H. C. 2954, 4546
Ma, J. 5177
Ma, J. K. C. 1185
Ma, J. X. 801
Ma, W. Y. 4441
Ma, X. J. 915
Maagdenberg, A. M. J. M. van den 38
Maas, H. M. van der 301, 1676, 3312
Maas, J. L. 2306
Mabry, T. J. 3725
McAfee, B. J. 1013
Macahilig, C. 5420
McAleese, S. M. 2360
Macalma, T. 1990
McArdle, S. 5868
MacAvoy, E. S. 2761
McBeath, J. H. 6183
McBride, B. W. 2689
McBride, D. 2675
McBride, G. 4597
McCabe, D. 18
McCabe, P. F. 4009
McCaffrey, P. G. 682
McCann, M. C. 2615
McCanna, I. 1183
McCarrey, J. 764
McCarthy, A. J. 2193, 2882
McCarthy, F. 4684, 6451
McCarthy, S. A. 2239
McCarthy, T. V. 4925
McCartney-Francis, N. 4581
McCauley, P. G. 610
McClanahan, T. 5043
McClelland, M. 3885
McClive, P. J. 3066
McClung, A. M. 4699
McClung, C. R. 1369-1370, 4656
McClure, B. A. 3774
McClure, K. E. 4333
McCobb, D. P. 5025
McCoid, S. C. 2231
McColley, D. W. 2091
McCollum, J. C. 233, 3886
McComb, J. A. 2086
McConnell, D. J. 144
McConnell, F. 2806
McCormac, A. C. 1908
McCormack, W. T. 660, 5745
McCormick, S. 2162
McCormick, S. P. 2261
McCouch, S. 1658
McCouch, S. R. 390, 4193
McCourt, P. 5813
McCown, B. 4835
McCoy, J. 4037
McCoy, J. M. 2327
McCoy, T. J. 4704
McCreery, T. 5894, 5908
McCuaig, K. 3440
McCuaig, K. A. 5062
Maccubbin, A. 3945
McCue, K. F. 6419
McCullough, A. J. 5830
McCutcheon, T. L. 438
McDaniel, G. L. 4272
McDevitt, H. O. 2238
MacDonald, B. S. 691
MacDonald, C. 3419
Macdonald, H. 5981, 6577
MacDonald, H. R. 586
Macdonald, J. 65
McDonald, J. D. 4694
MacDonald, P. N. 2387
McDonough, J. 5195
McDowell, R. E. 1662
McDowell, S. W. 3094
Macelis, D. 951
McElroy, D. 858, 4627, 5481
McEvoy, J. 2060
McEvoy, L. M. 5024
McEvoy, T. G. 2752
MacEwen, M. W. 1152
Macfarlane, D. E. 3104
Macfarlane, J. L. 5705
MacFarlane, S. A. 2847
McGarry, J. D. 774
McGarvie, G. M. 141
McGilliard, M. L. 4243
MacGillivray, R. T. A. 4500
McGinnis, J. F. 905
McGough, K. J. 6730
McGovern, J. D. 5142
McGranahan, G. H. 573, 4983
McGrane, M. 581
McGrane, M. M. 2240
McGrath, A. 6136
McGrath, A. B. 981
McGrath, J. M. 391
McGrath, M. E. 3878
McGraw, R. A. 2512-2519, 3603, 4132, 6451
MacGregor, A. W. 5697
McGregor, P. G. 4434
McGrew, M. J. 2029
McGrew, P. 4348
McGruder, E. D. 1477
McGuire, P. E. 5304
McGurl, B. 2266
Machado, M. A. 3094
Machado, M. F. P. S. 1556
Machado, R. D. 485
McHale, R. J. 4448
Macháty, Z. 455, 903
Mache, R. 720, 1807, 1884, 2365
Macheix, J. J. 4811
Machemehl, F. 2245
Machida, M. 3968
Machida, T. 2061
Machida, Y. 235, 1111
Machlin, S. 2955
MacHugh, D. E. 4662
McHughen, A. 1671
McIlroy, P. J. 1764
MacInnes, J. I. 65
McInnes, R. R. 5089
McIntosh, L. 4572, 6324, 6408
McIntosh, R. A. 5282, 5291
McIntyre, C. L. 1839
McIntyre, K. W. 2867
MacIsaac, S. A. 948
Mack, D. H. 3985, 4064
Mackay, G. R. 6743
Mackay, S. L. D. 3434
McKee, R. A. 3150, 4097
McKeehan, W. L. 4597
McKeith, F. K. 2691
McKelvey, W. A. C. 4791
McKenna, H. J. 2330
McKenzie, I. F. C. 1223
Mackenzie, J. S. 4146
Mackenzie, S. 4700, 6073, 6542
Mackenzie, S. A. 2159
MacKenzie, S. L. 4419
McKerrow, J. H. 4492
McKersie, B. D. 481, 4357
McKhann, H. I. 1359, 5017
Mackill, D. J. 4193
McKinless, J. 2646
McKinley, R. S. 2507
McKinney, S. 5694
McKinnon, A. O. 2603
MacKintosh, C. 2264
Mackintosh, C. G. 1589
MacKintosh, R. W. 2264
McKinzie, A. A. 4576
McKnight, A. J. 3400
McKnight, G. S. 5190
McKnight, R. A. 4966
McKnight, T. D. 1878, 4158
McLachlan, G. 4384
MacLachlan, I. 2331
McLaren, D. G. 2691
MacLaren, L. A. 2059
McLarney, B. K. 3790
McLauchlan, W. R. 4097
McLaughlan, C. J. 776
McLaughlin, C. L. 2686
McLaughlin, G. L. 3155
McLean, B. G. 1112
McLean, E. 1603
McLean, M. 1257
McLean, N. L. 3092
Maclellan, L. J. 3241
MacLeod, E. G. 1684
MacLeod, I. M. 4803
McMahon, A. P. 2415, 3407, 5725
McMahon, J. A. 3407, 5725
McManus, M. T. 4434
MacMillan, K. L. 3244
McMillan, W. H. 6696
McMillen, J. 1189
McMillin, K. W. 2168
McMorris, F. R. 2973, 4200
McMorris, T. C. 5242
McMorrow, T. 4526
McMullen, M. D. 2954, 4546, 5923, 5952
McNab, A. 4368
McNabb, H. S., Jr. 1173
McNabb, W. C. 4976
McNally, M. A. 3845
McNamara, G. T. 5972
McNeil, D. 5295
McNellis, T. W. 5831, 5855
McNew, R. W. 4863, 6605-6606
McNicol, R. J. 6529
McNiven, M. A. 1044, 2124
McNulty, M. S. 1468, 1492
Macomber, C. 448
Maconochie, M. K. 1770
McPartlan, H. 5337
McPartlan, H. C. 4363
McPhee, S. R. 3245
McPheeters, K. D. 2307
McPherson, A. 115
McPherson, R. K. 2231
McQueen, S. A. 691
McRae, D. 4643
MacRae, E. 4020
McRae, M. A. 6604
MacRae, S. 4396
Macris, B. J. 6092
McWhir, J. 3406, 5742
McWilliams, E. L. 3695-3696
Madamwar, D. 6707-6708
Madan, J. K. 5993, 6006
Madan, M. L. 3162, 3302
Madani, N. 5718
Madarnas, A. R. 4682
Maddaloni, M. 1995, 2460, 5224
Madden Williams, K. 6729
Maddox, D. 1160
Maddox, J. 3593
Maddox, J. F. 656, 1208, 4659
Madill, S. 5405
Madin, K. I. 5211
Madison, E. L. 563
Madison, L. D. 1318
Madison, V. 1520
Madriz-Ordeñana, K. 1927
Madsen, C. S. 257, 3434
Madsen, O. 1267
Madueño, F. 58
Maeda, K. 69
Maeda, Y. 5862
Maekawa, K. 806
Maekawa, M. 5595
Maekawa, S. 5595
Maesato, K. 6007
Maffei, M. 3734
Maga, E. A. 3335
Magallon, T. 524
Mage, R. G. 660
Mager, W. H. 2991
Mägert, H. J. 5058
Maggia, L. 1800
Maggouta, F. 6075
Magha, M. I. 2271
Magid, H. M. A. 3785
Magill, J. M. 6152
Magnanini, E. 1012
Magnarelli, L. A. 3141, 3147
Magnuson, M. A. 4590
Magrath, R. 3896, 3907
Maguire, T. L. 6575
Magyar, G. M. 4190
Magyar, Z. 3933
Mahadevan, A. 3379

Mahato, S. B. 4461
Mahdavi, V. 3503
Maher, D. W. 1424
Maher, J. K. 6224
Maheshwari, S. C. 1926, 3557, 3851, 4355
Mahle, C. D. 1870
Mahley, R. W. 2222
Mahmood, T. 3673
Mahmoudzadeh, A. R. 966, 5376
Maier, F. J. 1718
Maier, R. M. 850, 5816
Maier, W. 3727
Mailer, R. J. 3091
Maillet, D. 5906-5907
Maingon, R. 137
Mainil, J. 1500
Mains, F., Jr. 3040
Mair, G. C. 6061
Mairone, Y. 986
Maĭstrov, P. D. 6008
Maĭsuryan, A. N. 4266, 4440
Maiti, D. 314
Maiti, N. K. 417
Maity, T. 3002
Majeau, N. 863, 6404-6405
Majidi, E. 3199
Majzoub, J. A. 2225
Mak, C. H. 1235
Mak, T. W. 157, 2821, 4999, 6212
Makabe, O. 5580
Makara, K. 1019
Makaroff, C. A. 213, 3483, 4613
Makatounakis, T. 5189
Maki, K. 2820
Maki, R. A. 795
Makino, H. 3539
Makino, M. 3457
Makino, Y. 704
Makita, K. 5589
Makris, A. 1763
Maksimovsky, L. F. 2043
Malamy, J. 604, 3903
Malapert, M. 6205
Malarz, J. 4467
Malathi Lakshmikumaran 1830
Malbon, C. C. 1131
Maldiney, R. 2213
Maldonado-Mendoza, I. E. 147, 1878
Malech, H. L. 3953
Malerba, M. 2082
Maleszka, R. 1719
Malezewski, M. 2819
Maliga, P. 341, 2211
Malik, T. 6144
Malinovskiĭ, V. I. 1557
Malison, J. A. 1593
Malkinson, A. M. 1955
Malkinson, M. 1491
Mallamaci, A. 823
Mallard, C. 2785
Mallee, J. 667
Mallipeddi, S. K. 70
Mallucci, L. 357
Malnoë, P. 102
Malo, D. 3608
Malo, M. S. 5336
Malone, R. W. 4924
Malott, M. L. 2507
Maltais, L. J. 3050, 6481
Malueg, K. R. 4272
Malusà, E. 1991
Maluszyńska, J. 1439, 1992
Mamontov, A. M. 6499
Manabe, E. 6088
Manabe, M. 3157
Manak, M. M. 3661-3663, 3832
Manchisi, A. 1072
Mandaci, S. 2956
Mandaron, P. 1884
Mandel, M. A. 1832, 3482
Mandel, T. 5665
Mandolino, G. 2547
Maneepongse, C. 4282
Manen, J. F. 4096
Mang, K. Q. 119, 3378
Manganiello, V. C. 5613
Mangat, R. K. 1775
Mangerich, S. 4512
Mangia, F. 762
Mangian, H. J. 247
Mangin, B. 6465
Mangold, U. 5116
Mangolin, C. A. 1556
Manhart, J. R. 1465, 1795, 6509
Mani, A. U. 4791
Manik, R. S. 3162
Manivel, L. 3728
Manly, K. F. 1408
Mann, F. A. 3453
Mann, G. B. 3876
Mann, M. M. 659
Mann, V. 4547
Mannen, H. 1964, 2524, 4126, 5252, 5862
Mannen, K. 143
Manniello, A. 753
Manning, K. 6406
Mannion, A. M. 2730
Mannonen, L. 2644, 3348
Manova, K. 1306, 1311, 1317
Manresa, M. A. 6094
Manser, T. 2394
Mansfeld, A. D. M. van 3540
Mansfield, E. S. 5341
Mansfield, J. 425
Mansfield, J. P. 4146
Mansfield, R. 2585
Mansour, A. 3441, 5084
Mansour, S. L. 1195
Mansur, L. 4173
Mansur, L. M. 1993-1994, 6540
Mantell, S. H. 4275, 5976
Manteuffel, R. 315
Manthorpe, M. 2767
Mantovani, R. 529
Mäntylä, E. 6712
Manzanera, J. A. 1558
Manzocchi, L. A. 6141
Mao, F. C. 4135
Mao, H. Z. 88
Mao, Y. B. 4224
Mapletoft, R. J. 970, 2150, 3246, 4850, 4882
Mar, J. 2226
Marano, M. R. 3030
Maraskovsky, E. 2330
Marcaud, L. 5614
March, G. de 1010
Marchand, P. 2808, 5575
Marchfelder, A. 5772, 5825
Marchis-Mouren, G. 3555
Marcigliano, A. 5193
Marcillac, G. de 1807, 3372
Marcinkowski, D. P. 4891
Marcker, K. A. 330, 339, 1267, 5820
Marco, F. di 4040
Marconi, R. T. 2255, 3883
Marcos, J. F. 4626
Marcotte, J. L. 2139, 6010
Marcum, J. A. 3983
Marcus, G. J. 2047, 3246
Marcus, S. 1521, 2122
Marcus, S. L. 5747
Maréchal-Drouard, L. 215, 1355, 5826
Maretzki, A. 1683
Margalit, Y. 5167
Margalith, M. 2767
Margiotta, B. 1440
Margis-Pinheiro, M. 4353, 6407
Margolin, J. F. 5168
Margot, J. B. 2996
Mari, J. 71
Mariani, C. 6699
Mariat, D. 904, 2525
Marie, S. 802
Marienfeld, J. R. 4014, 5117
Marigo, C. 1268
Marigo, G. 2109
Marín, M. 72
Marín, M. L. 1011
Marin, N. 3838
Marincs, F. 2380
Marini, C. 1493
Marini, J. C. 367
Marino, G. 1012
Marinucci, M. 4427
Marion, D. 5104
Mariotti, D. 1679, 2298
Marivet, J. 4353, 6407
Mark, F. van der 301, 1676, 2140
Mark, K. von der 3448
Mark, M. 246, 618, 4051
Mark, M. R. 5059
Markey, B. K. 1492
Markham, K. R. 3547, 3725
Marklund, L. 1963, 3609
Marklund, S. 4683
Marklund, S. L. 4408
Markmann-Mulisch, U. 3136
Markovich, D. 258
Marks, G. L. 1149
Marks, M. D. 2455, 3477, 5827, 6303
Markwell, J. 5674
Marlier, M. 467
Marlow, S. A. 791
Marmeisse, R. 3914
Marmey, P. 1437, 5268
Marmiroli, N. 2175, 4015
Marner, F. J. 4468
Maronpot, R. R. 1124
Maroof, M. A. S. 401, 4735, 6186
Marotti, K. R. 2233
Marques, C. M. 3768
Marques, M. I. 2828
Márquez, A. J. 2347
Marrano, P. 5089
Marrison, J. L. 3562
Marrone, B. L. 4746
Marrs, K. A. 316
Marsac, C. 3443
Marsan, P. A. 1995, 2783, 5294
Marschke, K. B. 2396
Marsh, W. 5539
Marsh, W. E. 6082
Marshall, B. A. 5501, 5506
Marsolais, A. A. 6658
Marsolier, M. C. 3932
Martal, J. 3247
Martegani, E. 2460, 5224
Martell, G. P. 4986
Martelli, G. 2302
Martemucci, G. 1072
Martena, F. 4186
Mårtensson, B. 2671
Marth, J. D. 6208
Martial, J. 2979
Martial, K. 5060
Martignetti, J. A. 5251
Martín, A. 3264
Martin, A. 4388
Martin, A. J. 1767
Martin, B. A. 3793, 6709
Martin, C. 727, 1356, 1907, 2457, 3035, 4353, 5126, 6299
Martin, C. P. 2462
Martin, D. J. 2971
Martin, G. 1175
Martin, G. B. 2957, 4153
Martin, I. C. A. 884
Martin, J. C. 4746
Martin, J. F. 2332
Martín, J. P. 2177
Martin, M. 2458, 4198, 5905
Martin, M. E. 5767
Martin, M. J. 3337
Martin, M. W. 4982
Martin, P. 3969, 5134, 6485
Martin, P. G. 4548
Martín, R. 4766, 4769
Martin, R. 929, 4225
Martin, R. de 803
Martin, R. R. 6190
Martin, S. L. 4031
Martin, T. 317
Martin, W. 720, 2367
Martín-Alonso, J. M. 3439
Martin-Eauclaire, M. F. 3555
Martin-Tanguy, J. 2784, 4830
Martina, N. 5043
Martineau, B. 325, 2459
Martineau, D. 3012
Martínez, C. P. 3765
Martínez, E. 1042, 1048, 1581, 5366
Martinez, G. V. 4841
Martinez, I. 2770
Martinez, M. L. 9
Martínez, P. 5259
Martínez de Ilarduya, O. M. 1269
Martinez-Fernandez, A. R. 2574
Martínez-Izquierdo, J. A. 1919
Martínez-Moreno, F. J. 4772
Martínez-Zapater, J. M. 280, 4653
Martinis, D. de 2853
Martino, A. 5406
Martins, A. 2828
Martinson, C. A. 3362, 6180
Martiny-Baron, G. 2041
Márton, L. 989, 4391
Marty, I. 318
Maruscik, D. A. 3786
Maruyama, K. 931
Marx, D. 2751
Maryakhina, I. I. 505
Marziah, M. 1028, 2281
Marziali, G. 1312
Marziani, G. 459
Masahiro, S. 216
Masaphy, S. 6203
Mascarenhas, A. F. 3243
Mascarenhas, J. P. 2161, 2377, 6321-6322
Mashnenkov, A. S. 5218
Masina, P. 912
Mašková, Ľ. 3349
Masle, J. 3563
Masliah, E. 1695, 3323
Mason, A. B. 2829
Mason, J. C. 6169
Massey, C. 2236
Massie, B. 6221
Massip, A. 5969, 6594
Masson, J. 5826
Masson, L. 2703
Masson, P. H. 1260
Massoulié, J. 5157
Masters, B. 3273
Masterson, R. 1674, 6264
Mastrovito, F. 5954
Masu, Y. 1744
Masucci-Magoulas, L. 2226
Masuda, A. 4428
Masuda, E. S. 5169
Masuda, K. 2645
Masuda, M. 2625
Masuda, T. 2670, 5828, 6292
Masuda, Y. 4580
Masumura, T. 6291
Masuta, C. 120, 1727
Masuzawa, T. 3882
Matar, G. M. 2830
Matas, C. 1042, 1048
Mate, C. J. 1357
Matern, U. 4450
Matesanz, F. 1220
Mather, C. 2232
Mather, D. E. 6508
Mather, I. H. 262
Mathern, J. 5223
Mathern, P. 1938, 3592, 4136
Mathewes, S. L. 6236
Mathews, C. 5778
Mathews, H. 484
Mathews, L. S. 1788, 2341, 4033
Mathews, S. 6257
Mathialagan, N. 1522
Mathias, S. F. 1331
Mathies, R. A. 4747
Mathieu, H. 761
Mathis, D. 2227
Mathisen, P. M. 3522
Matile, P. 6358
Matilla, A. 2433
Matis, L. A. 2294, 5030
Matise, T. C. 6557
Matlock, G. C. 4672
Matos, D. G. de 4305
Matsuba, T. 1504, 3884
Matsubara, H. 2408
Matsubayashi, Y. 6716

Matsuda, Y. 1176, 1408, 3980, 4137
Matsue, M. 5734
Matsuhisa, A. 5355
Matsui, H. 2580, 5111
Matsui, M. 1686
Matsui, Y. 4856
Matsukawa, I. 1567
Matsukuma, S. 40
Matsumara, H. 734
Matsumoto, K. 1130, 5254
Matsumoto, S. 235, 1559, 6290
Matsumoto, T. 387, 5546, 6009
Matsumura, K. 3327
Matsumura, T. 3222
Matsunaga, E. 4585
Matsunaga, T. 176, 5865, 6079, 6088
Matsunami, N. 4063
Matsunami, R. 3012
Matsuno, R. 1459, 4016
Matsuo, H. 4518, 6235
Matsuo, N. 2998
Matsuo, T. 2998
Matsuoka, H. 77, 2695
Matsuoka, I. 4513
Matsuoka, K. 1111
Matsuoka, M. 860, 4025, 5829
Matsuoka, N. 1858
Matsushiro, A. 190, 683, 808, 3515
Matsuyama, A. 1297
Matsuyama, K. 967
Matsuyama, N. 111
Matsuyama, T. 4999, 6212
Matsuzaki, T. 1686, 3537
Matsuzaki, Y. 1130
Matsuzawa, T. 490
Matta, N. 4352, 6253
Mattei, D. 68
Mattei, M. G. 262, 664, 1397, 2883, 2909, 6228
Matteri, R. L. 5618
Matthaei, K. I. 4934
Matthes, H. 2909
Matthews, B. F. 1990, 5516, 5643
Matthews, C. D. 958
Matthews, D. 5262
Matthews, D. L. 4237
Matthews, L. 6677
Matthews, M. E. 2528, 4670, 5337
Matthews, R. C. 2246
Matthews, R. J. 5867
Matthias, P. 1859
Matthies, R. 804
Mattioli, M. 4304, 6046
Mattson, J. 5043
Matusik, R. J. 691, 4407
Matúšová, R. 3089
Matzinger, D. F. 4618
Matzke, A. J. M. 1358
Matzke, M. 1358
Matzke, P. 2688
Matzuk, M. M. 3925
Maubras, L. 5060
Maule, A. J. 5964
Maurel, C. 6137
Mauri, I. 2460, 5224
Maurice, A. 4731
Mauro, M. C. 2090
Maury, M. 4062
Mavilio, F. 1313
Mawal, Y. R. 6447
Maxson, J. M. 2486
Maxwell, C. A. 1818
Maxwell, D. P. 442
Maxwell, M. M. 3581
Maxwell, W. M. C. 6672
May, B. 231, 4128
May, G. D. 5839
Mayadas, T. N. 619
Mayak, S. 285
Mayeda, A. 5185
Mayer, F. 1645
Mayer, J. E. 4951
Mayer, M. S. 4182
Mayer, P. 4217, 5061, 5065
Mayer, R. J. 5031
Mayer, W. E. 1229
Mayerhofer, A. 3780
Mayne, C. S. 2060
Mayo, K. E. 4054, 4127
Mayo, M. A. 2833
Mayor, J. A. 5588
Mayumi, T. 3687-3688
Mazda, O. 1769
Mazie, J. C. 2036
Mazo, I. A. 5328
Mazur, A. 179
Mazur, B. J. 854
Mazurier, S. 169
Meadus, W. 3777
Meagher, R. B. 222, 274
Meagher, T. R. 2023
Meares, C. F. 4374
Mecca, J. 3115
Medina, J. 1270
Medina, J. F. 1233
Medina-Acosta, E. 73
Medina Filho, H. P. 3210
Medrano, J. F. 962, 3676
Medzihradszky, K. F. 5065
Meeks-Wagner, D. R. 1909
Meeley, B. 4987
Meena, G. 3266
Meer, I. M. van der 4418, 5517
Meer, Q. P. van der 6761
Meerarani, S. 1502
Meers, J. 1146
Megia, R. 3197
Meglic, V. 3815
Mehdi, H. 1785
Mehdy, M. C. 873, 3580
Mehlhorn, H. 6116
Mehrotra, N. N. 1085
Mehta, A. R. 2630, 4810
Mehta, A. Y. 5532
Mehto, M. 129
Mei, B. 1177
Meier, I. 3488, 5526
Meier, M. 5943
Meier, P. 2325
Meier, V. S. 5184
Meierhoff, K. 1360
Meiering, M. 5006
Meijer, D. 1772
Meijer, E. J. de 74
Meijers, C. 1301
Meijlink, F. 5736
Meinhard, J. 149
Meinhardt, F. 1645
Meinhardt, T. 1779
Meinke, D. W. 2556, 3470
Meins, F., Jr. 2848, 5534
Meisler, M. H. 1933, 3874, 6165
Meister, A. 4755
Meixner, M. 6552
Mejdell, C. M. 3613
Mekhedov, S. L. 1831
Melan, M. A. 6409
Melcher, U. 1454
Melchers, L. S. 574, 3908, 4549
Melchinger, A. E. 2548
Melchior, G. W. 2233
Meldrājs, J. 3025
Melé, E. 3397
Melekhovets, Y. F. 1271
Melendez, J. 6050
Melendy, T. 55
Melia-Hancock, S. 4709, 5273
Melik-Sarkisov, O. S. 1121, 6639
Meliyan, L. G. 6191
Melkonian, M. 1259
Meller, Y. 288, 1361
Mellersh, C. 2030, 6482
Mellersh, C. S. 895
Mellink, C. H. M. 906, 6483
Mello, M. L. S. 2880
Mellon, M. 4909-4910
Mellon, S. H. 3924
Mellor, H. 5063
Mellouki, F. 6010
Melnikova, I. N. 2343
Melo, C. A. 1314
Meltler, I. J. 316
Melton, D. W. 3406
Melzer, S. 5107
Memelink, J. 321-322, 1819
Men, X. F. 476
Mena, M. 1832
Menancio-Hautea, D. 392, 4437
Ménard, C. 1150
Menary, R. C. 6020
Menczel, L. 564
Mendelsohn, M. 4587
Mendelson, C. R. 1199, 5727
Mendu, N. 4628
Menédez Yuffá, A. 3729
Meneses, J. J. 4414
Ménez, A. 4765
Menezo, Y. 2066
Meng, F. 3441, 5084
Mengeling, W. L. 1147, 1156
Ménissier, F. 3247
Mennes, A. M. 275
Menon, S. 5043
Menoud, P. A. 804
Mensuali-Sodi, A. 2642
Menting, J. G. T. 2944
Meo, G. P. di 896, 3598
Mepham, T. B. 5455
Meraro, D. 223
Mercade, M. E. 6094
Mercer, R. W. 1221
Mercier, D. 3620, 6485
Mercier, J. C. 1206, 1222, 5746
Merdes, A. 665
Meredith, C. P. 3080
Mereghetti, M. 2354
Mergny, J. L. 4212
Mériaux, J. C. 3594
Mérillon, J. M. 4449
Merkel, B. 4477
Merkelbach, S. 1820
Merkle, S. A. 1014-1015, 2612, 3171
Merkle, T. 6410
Merle, L. du 2036
Merlie, J. P. 5946
Merlin, G. 986
Merlo, D. J. 2790
Merlo, P. A. O. 1837
Mermillod, P. 5969, 6594
Merrell, K. 814
Merrell, K. T. 5180
Merrick, W. C. 840
Merril, C. R. 3667
Merrill, J. K. 3257-3258
Mertooetomo, E. R. 4466
Merz, H. 1747
Merz, W. G. 3148
Mes, T. H. M. 4711
Mesnard, J. M. 121
Messeguer, J. 3397
Messiaen, J. 2101
Messina, M. 1070
Messing, J. 348, 5651, 5780-5781, 5785-5787
Messmer, M. M. 2548
Messner, B. 4530
Messom, G. Vandeputte-van 4341
Mestel, R. 3810
Metakovskiĭ, E. V. 4727
Metakovsky, E. V. 4727
Metallinos, D. L. 6484
Metcalf, M. A. 5757
Metcalf, W. W. 5490
Metcalfe, J. C. 6161
Metelev, V. 2861
Métraux, J. P. 1184, 1640, 3905
Mett, V. 6278
Mettler, I. J. 3370
Metz, A. M. 3489
Metz, B. 1383
Meulen-Muisers, J. J. M. van der 2797
Meulenberg, J. J. M. 74
Mew, T. W. 400
Meyer, A. 3116
Meyer, C. 2368
Meyer, D. 4592
Meyer, H. 75
Meyer, J. 1645
Meyer, K. 5118
Meyer, M. M., Jr. 4248
Meyer, P. 1386, 3116, 5225, 5832
Meyer, W. 1144
Meyer, W. K. H. 5168
Meyer, Y. 318
Meyerhof, W. 2407
Meyerowitz, E. M. 345, 725, 5212, 6411
Meyers, T. R. 418-419
Meza-Basso, L. 3494
Mezey, E. 1862
Mezzetti, B. 1710, 1720, 2302-2303
Mia, G. M. de 1493
Mialon, M. M. 3247
Miannay, N. 1010
Miao, G. G. 45
Miao, G. H. 1910
Miao, X. L. 2326
Miao, Y. G. 312, 4075
Miao, Z. H. 1272, 5119
Miceli, A. 4469
Michaelis, G. 6075
Michaels, H. J. 1795, 1821
Michaels, S. D. 3486
Michalska, A. E. 158
Michaud, D. 4629
Michaud, E. J. 805
Michaud, M. 1800, 5683
Michaux, S. 2250
Michaux-Ferrière, N. 486, 3709
Michel, D. 4901, 5909
Michel, F. 1893
Michel, F. J. 5743
Michel, H. 1931
Micheli, M. R. 2566
Michelmann, H. W. 3235
Michelmore, R. 2487
Michelmore, R. W. 1178
Michelson, I. 6188
Michiels, A. H. J. C. 2601
Michikawa, Y. 5020, 5596
Michl, D. 4084
Michler, C. 4835
Mickelson, L. 4165
Miconnet, I. 3978
Middleton, P. G. 4384
Midland, S. 1172
Midson, C. N. 4143
Mielnicki, L. M. 368
Mientjes, E. J. 3664
Mieth, D. 1628
Miflin, B. J. 3811
Mifune, K. 143
Miginiac, E. 458, 2090, 2213, 5982-5983
Migliaccio, F. 338
Miguel, C. M. 6011
Miguens, F. C. 485
Mii, M. 488, 1060, 2786, 3200, 3217, 4276
Mijnsbrugge, K. van der 3841
Mijten, P. 5376
Míka, J. 1667
Mikami, T. 69, 221, 1158, 2364, 2546
Mikayama, T. 3442
Mikel, W. B. 1078, 2168
Miki, B. L. 138, 1113, 3916, 6384
Miki, K. 5046
Miki, N. 5497
Miki, T. 3665
Miki, Y. 451
Mikkelsen, J. D. 1927, 5529
Mikkelsen, T. 2910
Miklas, P. N. 6182
Miklovičová, M. 6012, 6057
Mikodina, E. V. 6062
Mikoshiba, K. 704
Mikulovich, T. P. 2176
Mikulski, W. 6021
Mil, R. van 6127
Milan, D. 6580
Milde, K. F. 3975, 4514
Miler, A. D. 4384
Miles, D. 384
Milet, M. 1295
Milgroom, M. G. 2588
Milhaud, G. 5060
Milhiet, P. E. 5619
Milici, A. J. 2231
Millán, J. L. 6597
Millan, S. 6744

Millán, T. 2010
Milland, J. 1223
Millar, M. 2800
Millar, S. E. 6348
Millard, C. S. 6089
Miller, A. D. 2333, 4930
Miller, A. M. 408
Miller, A. W. 3126
Miller, B. M. 2536
Miller, D. G. 2333, 4930
Miller, D. L. 127
Miller, G. F. 4863, 5365, 6605-6606
Miller, H. 4911, 6731
Miller, H. I. 549, 1629, 3278
Miller, H. W. 1078
Miller, J. 175, 6761
Miller, J. C. 3050
Miller, J. F. 1139, 2826
Miller, J. N. 2826
Miller, J. R. 1422
Miller, K. A. 6348
Miller, L. 1175, 5472
Miller, L. F. 1078, 2169
Miller, M. 2225
Miller, M. M. 4138, 5253, 5863
Miller, N. 3912
Miller, R. D. 2529
Miller, S. 227
Miller, S. A. 439
Miller, S. P. F. 3507
Miller, S. S. 6270
Miller, T. E. 1872, 1901, 1986, 3098
Miller, W. 236
Miller, W. A. 2258
Miller, W. J. 1187
Miller, W. L. 3924, 4052
Millner, P. A. 5103
Mills, A. 4588
Mills, D. 4273
Mills Hamm, D. 1201
Milner, J. J. 6254
Milo, J. 6521
Milovanov, C. 5407
Milstein, C. 588, 3328
Milstone, D. S. 4967
Miltenyi, S. 6154
Milton, J. T. B. 6697
Milus, E. A. 3673
Min, C. 3886
Min, D. S. 4511
Min, Y. J. 4429
Minakuchi, K. 6291
Minami, E. 1273, 2649
Minami, M. 806, 1362
Minami, N. 4792
Minami, Y. 2903
Minamihashi, A. 2125
Minamikawa, T. 4568
Minamoto, N. 143
Minbay, A. 1475
Minden, A. G. 2382
Minegishi, A. 5078
Miner, J. N. 788
Minervini, F. 4777
Minet, M. 5671
Ming, S. 4344
Mini, P. 2656
Minke, V. 4122
Minkler, J. L. 3048
Minniti, A. N. 132
Minobe, Y. 4719
Minocha, J. L. 1551, 4161, 4253
Minocha, R. 4831
Minocha, S. C. 4636, 4831
Minowa, O. 6215
Mintz, D. H. 4514
Miralles, A. 5366
Miranda, M. 2422
Mirzabekov, A. D. 2977
Misawa, N. 1729
Misch, A. 754
Mise, K. 1721
Mise, N. 4676
Miséra, S. 5831
Mishler, B. D. 1795, 1843, 6509
Mishra, A. 3591
Mishra, P. 5440
Mislan, D. 756
Misra, A. K. 526
Misra, D. 2715
Misra, D. N. 2335
Missaleva, N. 2282
Missero, C. 589
Mita, G. 4469
Mitani, K. 3619
Mitchell, A. R. 6476
Mitchell, C. A. 791
Mitchell, C. J. 3139
Mitchell, E. D., Jr. 1454
Mitchell, J. A. 788
Mitchell-Olds, T. 2933, 2955
Mitchelson, K. 109
Mithen, R. F. 3896, 3907
Mittal, K. R. 65
Mittler, R. 4098
Miura, A. B. 786
Miura, H. 4464
Miura, K. 134
Miura, M. 5254
Miura, N. 807, 1860
Miura, Y. 5789, 6116
Miwa, M. 3973
Miwa, N. 982
Miyabayashi, T. 3514
Miyachi, S. 3296
Miyadera, N. 5666, 5949
Miyagawa, K. 2666
Miyagawa, T. 3537
Miyagi, Y. 3955
Miyai, K. 611
Miyake, M. 4793, 6044
Miyake, T. 2061
Miyake, Y. I. 527
Miyake M. 3687
Miyakoshi, H. 967
Miyamoto, H. 683
Miyamoto, K. 6292
Miyamoto, S. 2390
Miyamoto, Y. 4580, 5911
Miyano, T. 4793, 6044
Miyao, A. 5910
Miyasaki, S. H. 3888
Miyashita, H. 5616
Miyashita, K. 3610
Miyashita, T. 808
Miyata, A. 5606
Miyata, K. 1130
Miyata, K. S. 5747
Miyata, M. 2251
Miyatani, S. 6242
Miyawaki, S. 4412
Miyazaki, M. 5608
Miyazawa, K. 3972
Miyazawa, T. 1158
Miyoshi, I. 2820, 3353
Miyoshi, K. 4794
Miyoshi, N. 3450, 5860
Miyoshi, T. 684
Mizobuchi, M. 2567, 3127
Mizoguchi, E. 1745
Mizoguchi, T. 2369
Mizoguchi, Y. 1052
Mizukami, H. 1441, 4470
Mizuno, K. 1239, 1781
Mizuno, M. 4491
Mizuno, N. 686
Mizuno, R. 5075
Mizuno, S. 2338
Mizuta, T. R. 684
Mizutani, M. 1274
Mjaatvedt, C. H. 3660
Mlynárová, L. 1365, 3861, 4630
Moav, B. 590, 1768
Moazami-Goudarzi, K. 6485
Mocek, U. 3388
Mochizuki, M. 2763
Mock, B. A. 2526, 6486
Modi, W. S. 5255
Modina, S. 2049
Modiri, M. 3199
Mödl, J. 2065
Modlin, I. M. 5728
Modlinski, J. A. 4784
Modrusan, Z. 4631
Moechars, D. 3965
Moehlenkamp, C. A. 2437
Moens, P. B. 5864
Moer, A. van der 420
Moerman, M. 630
Moessler, H. 3456
Moffatt, B. 331, 4392
Mogas, T. 5406
Mogensen, H. L. 2138, 2158
Mohamed, K. M. 1524
Mohamed-Yasseen, Y. 3730, 4274
Mohan, D. 6579
Mohan, M. 3909
Mohan, R. 1501
Mohanty, B. D. 3731
Mohapatra, S. S. 1615
Mohapatra, T. 5217
Mohatkar, L. C. 1560
Mohler, J. 5725
Möhlig, M. 5061
Mohr, H. 2463, 5236, 6294
Mohr, S. 5817
Mohr, V. 6738
Mohrenweiser, H. W. 3608
Mohz Azib Salleh 2712
Moir, J. M. 3534
Moisan, A. 1807
Moisan, J. P. 3067
Moisan, M. P. 2398
Moiseyev, G. P. 6013
Mojtahedi, H. 3867
Mok, M. 5162
Moker, J. S. 6495
Mol, C. A. A. M. 1748
Mol, J. 2363
Mol, J. N. M. 856, 1350, 1738, 2469, 5518, 6443
Molema, E. 2795
Mølgaard, J. P. 2073
Molina, A. 1822
Molinari, S. 4578
Molinia, F. C. 6672
Molinoff, P. B. 2888
Molitor, T. W. 5585
Moll, H. D. 3693
Molle, F. 4814
Möller, M. 3597
Møller Nielsen, J. 2643
Möllers, C. 6685
Mollova, M. 510
Molloy, P. L. 2761, 6471
Molnar, S. 5264
Molnar, S. J. 1724
Molnár, Z. 3198
Moloney, A. P. 1602
Moloney, M. M. 5835
Moltó, E. 1549
Molven, A. 3970
Molyneux, D. H. 6173
Mombaerts, P. 1745
Momotani, E. 3036
Monaci, M. 4884
Monaco, A. P. 6336
Monaghan, A. P. 186
Monaghan, P. 5402
Monard, S. 4208
Monciardini, P. 2175
Mondal, M. 5394
Monéger, F. 3252, 5844, 6077
Monet, R. 2540
Monetti, A. 2001
Monfort, S. 4811
Monfredini, G. 1995, 5294
Monier, M. H. 1494
Monin, J. 3176
Monma, M. 6226
Monna, L. 5910
Monnat, R. J., Jr. 5874
Monnet, V. 5939
Monod, M. 2253
Monroy, A. F. 1080, 1616
Monsion, M. 116, 1725
Monsma, F. J., Jr. 2911, 5757
Monson, R. 4858
Monson, R. L. 964
Montag, A. G. 39
Montago, T. 27
Montagu, M. van 6, 334, 2265, 2450, 2476, 2723, 2939, 3788, 3841, 3898, 4022, 4073, 4616, 5779, 5937, 6116, 6360, 6403
Montagutelli, X. 878, 1952
Montalvo Arriete, L. F. 2747
Montané, M. H. 1714
Montano, M. M. 3960
Montero, L. M. 280
Montgomery, C. 1752
Montgomery, G. W. 891, 1398, 2527, 4147
Montgomery, J. 861
Montmayeur, J. P. 5064
Montminy, M. R. 2997
Montoliu, L. 1919, 5950
Montoro, P. 486, 3709
Montrose, M. H. 834
Moon, K. 202
Moon, S. H. 6089
Moonan, F. 1329
Moore, A. B. 1078
Moore, A. J. 6149
Moore, C. C. D. 3924
Moore, C. X. 632
Moore, D. D. 4039
Moore, G. 164, 3083, 4719, 4733
Moore, G. D. 3236
Moore, H. D. M. 3756
Moore, H. P. H. 5076
Moore, J. 795
Moore, J. N. 3812
Moore, K. 1596
Moore, K. A. 2291
Moore, K. J. 34, 3069
Moore, K. W. 2324
Moore, P. 3303
Moore, P. J. 6149
Moore, R. 4499
Moore, S. S. 3591, 4684, 5248, 5338, 6451
Moore, T. D. E. 1701
Moorman, A. F. M. 3118, 4928
Moormann, R. J. M. 74
Mora, N. G. 2118
Moraghan, L. 4872
Morahan, G. 369, 3066
Moralejo, D. H. 5254
Morales, J. C. 3119
Morales, P. 4225, 4766, 4769
Moran, C. 3079, 3611
Mörchen, M. 3797
Mordhorst, A. P. 3184
Moreadith, R. W. 591, 4965
Moreau, G. 6342
Moreau-Aubry, A. 3067
Moreira, O. A. 6718
Moreira-Filho, C. A. 963, 4783
Morelle, C. 4213
Morelli, G. 281
Moremen, K. W. 5047, 5056
Moreno, M. 5637
Moreno, M. L. 2177
Moreno, P. R. H. 4471
Moreno-González, J. 1427
Moreno Millán, M. 4866
Morgan, A. 2243, 4417
Morgan, A. J. 6081
Morgan, D. 1795
Morgan, D. R. 1823, 1840
Morgan, J. 3004
Morgan, J. A. W. 2193
Morgan, J. I. 45
Morgan, P. W. 4632
Morgan, R. 6216
Morgan, S. 1496
Morgan, S. J. 2742
Morgan, W. M. 3732
Morgante, M. 5884
Morgens, P. 2540
Morgens, P. H. 2350
Morgner, M. 504
Mori, H. 217, 4563, 5655, 5703
Mori, K. 3511, 3525
Mori, M. 190, 793, 1952
Mori, N. 3612
Mori, S. 4099
Mori, T. 968, 1519, 2062, 4513, 4865, 5409, 5970
Mori, Y. 5048
Moriizumi, S. 5616
Morikawa, H. 20
Morimoto, K. 4507
Morimoto, R. I. 1762, 2401, 5749
Morimoto, S. 4486
Morin, M. 2038

Morini, S. 3733
Morishige, D. T. 4550
Morishige, K. I. 3612
Morisson, M. 6503
Morita, K. 1769
Morita, N. 4455
Morita, T. 190, 808
Moritz, T. 19
Moriwaki, K. 4059, 4137, 4676
Moriwaki, T. 1841
Moriyama, S. 3779
Moriyoshi, K. 4043
Morjane, H. 1561
Mörl, M. 946
Morocho, A. M. 3123
Mórocz, S. 3342
Morot-Gaudry, J. F. 4081
Möröy, T. 4150
Morpurgo, R. 6192
Morrell, J. M. 1071
Morris, A. 1252
Morris, C. A. 3596
Morris, J. 3425
Morris, J. B. 465
Morris, J. H. 2863
Morris, M. 5195
Morris, P. 5200
Morris, P. C. 1996, 3857, 5115
Morris, T. J. 126
Morrison, I. 4959
Morrison, M. J. 3916
Morrison, S. L. 3508
Morrow, C. J. 1589
Morrow, J. A. 1315
Morse, D. 4889, 6263
Mortensen, R. F. 5741
Mortlock, D. P. 1933
Morton, B. R. 735, 6412
Morton, D. 5456
Morton, N. E. 1702
Morton, R. L. 1363
Morzaria, S. P. 3068, 6173
Moseley, H. 1940
Moser, A. R. 366, 1937
Moser, H. 5296
Moser, K. M. 3144
Mosig, M. O. 4690
Mösinger, E. 5843
Moskophidis, M. 3149
Mosqueda, G. 2843
Mosqueda-Cano, G. 294, 1170
Mosser, D. D 6221
Mossmann, H. 6208
Mostacciuolo, M. L. 952
Motais, R. 6205
Motley, S. T. 2229
Motlík, J. 1577
Motta, V. A. F. da 5427
Motte, P. 4650
Motto, M. 1101, 1995, 2460, 4557, 4996, 5224, 5294, 5909
Motzo, R. 3763
Mou, B. 3774
Mouchès, C. 1200
Mouellic, H. le 4062
Mougeot, J. L. 121
Moukhtar, M. S. 5060
Moullier, P. 3352
Moumou, Y. 3398
Mount, D. W. 4205
Mountford, P. 4931
Mountjoy, K. G. 818
Moura-Costa, P. H. 4275
Moura Gallo, C. V. de 5188, 5614
Mourad, G. 4439
Mouras, A. 5769
Mouritzen, P. 6055
Mourmeaux, J. L. 5969
Mous, J. 2809
Mouse Genome 875, 1387
Moustaïd, N. 809
Mouton, C. 1150
Mowles, T. F. 1602
Moxham, C. M. 1131
Moya, A. 1713
Moyano, E. 3035
Moye-Rowley, W. S. 41
Moyer, J. S. 2290
Moyer, J. W. 6153
Moyne, A. L. 2876
Mozo, T. 5634
Mrázek, J. 238
M'Ribu, H. K. 6541
Mu, D. 5065
Mu, J. H. 5667, 6293
Mu, J. L. 907
Mu, Z. Y. 4313
Mubumbila, M. V. 6252
Mucciarelli, M. 3734
Mucignat, M. T. 6229
Mucke, L. 1695, 3323
Mueckler, M. 193, 5501, 5506
Muehlbauer, F. J. 3672
Mueller, K. W. 3771
Mueller, R. G. 641
Muench, D. G. 4902
Muench, M. 5043
Muggli, E. 4231
Mühlbach, H. P. 4571
Muhlmann, M. D. 1913
Muiño-Blanco, T. 2031
Mujeeb-Kazi, A. 5316
Mukai, F. 1964, 2524, 5252, 5862
Mukai, T. 5147
Mukai, Y. 5949
Mukherjee, B. B. 5394
Mukherjee, I. 4637
Mukherjee, P. K. 6337
Mukhopadhyay, K. 3720
Mukhopadhyay, S. 5487
Mukumoto, F. 2461
Mul, A. J. 6081
Muleo, R. 3733, 4827
Mull, E. 632
Mullaney, B. P. 810
Mullen, J. A. 5916
Müller, A. 3021
Müller, E. 3890
Müller, F. 564
Müller, G. A. 5943
Müller, H. 80
Müller, J. M. 2417
Müller, M. 319, 3904, 5846
Muller, M. 5161
Muller, P. 6137
Müller, T. 1210
Müller, U. 2806-2807, 2986, 6214
Müller, W. 1743
Muller, W. 3329
Müller-Röber, B. 3345, 5668, 6413
Mullet, J. E. 1364, 3468, 4621, 5202, 5839, 6365, 6396-6397
Mulligan, B. J. 1004, 3726
Mulligan, R. C. 3920
Mulligan, R. M. 1385, 2470
Mullin, B. C. 320
Mullineaux, P. 6116, 6116, 6142
Mullineaux, P. M. 3707, 3852, 3995, 4069, 5633
Mullins, J. J. 4921
Mullis, K. B. 5462
Mulongoy, K. 1652
Mulrooney, D. 5525
Mulrooney, D. M. 5632
Multani, D. S. 5284
Mulvaney, D. R. 2168
Mulvihill, E. 2334
Mumm, R. H. 6543-6544
Mummery, C. L. 5974
Mundt, M. O. 5956
Mundy, J. 3906
Munger, H. M. 6761
Münger, K. 2219
Munilla, R. 1549
Muniswamy, B. 6015
Munkonge, F. M. 4384
Muñoz, I. 3755, 5425
Munson, A. 6732
Münsterberg, A. 5000
Müntz, K. 306, 2245
Muradov, A. 1179
Muragaki, Y. 5070
Murai, N. 350, 353, 4016, 5214
Muraja-Fras, J. 3859
Murakami, H. 4525
Murakami, K. 583, 3338, 4595
Murakami, M. 4412, 5023
Murakami, T. 793, 2443
Murakoshi, I. 740, 5673
Muralidharan, K. 1934
Muralitharan, M. S. 2102
Muramatsu, M. 704, 3514, 4676
Muramatsu, T. 1861
Murao, K. 3127
Murasawa, S. 2408
Murase, T. 2133
Murata, H. 117
Murata, K. 190
Murata, M. 3884
Murata, T. 4066
Murayama, Y. 2962, 5050
Muren, R. 5299
Murer, H. 258
Muresu, R. 357
Murfett, J. 3774
Murgia, C. 5071
Murgo, J. P. 11
Murigneux, A. 519, 4877
Murillo, J. 23, 1172
Murillo, M. 6285
Muro, A. F. 3533
Murofushi, N. 3213
Murphy, A. 4744
Murphy, A. J. M. 3130
Murphy, B. D. 4882
Murphy, D. 2800, 3290
Murphy, D. J. 2438, 3041, 3346, 3558, 3833, 6311
Murphy, G. 3083
Murphy, G. J. P. 4160, 5204
Murphy, J. F. 4988
Murphy, J. M. 1897
Murphy, J. P. 3085
Murphy, N. B. 78
Murphy, S. P. 1762
Murphy, T. M. 2462, 6014
Murray, J. A. H. 5333
Murray, J. D. 962, 1074, 3259, 3335, 3676
Murray, J. R. 6414
Murray, K. A. 2151
Murray, R. D. 1630
Murray, R. W. 2233
Murray, V. 3653
Murrell, J. R. 4740
Murry, L. E. 3370
Murtaugh, M. P. 2531, 5585
Murthy, K. K. 6237
Murthy, S. 1132
Murty, U. R. 5977
Murugesh, D. 3845
Muscat, G. E. O. 2999
Muscatelli, F. 2909
Muscolo, A. 487
Muse, R. 2281
Musker, R. 6197
Mussio, I. 5986
Mutchler, K. J. 245
Muthuchamy, M. 2409
Muthukrishnan, S. 4728
Muthuswamy, S. K. 3329
Mutsuddi, M. 3659
Muylem, K. van 1500
Myers, M. P. 3134
Myers, R. M. 5759
Mykytyn, K. 897
Myler, P. J. 1148, 1157
Myles, D. G. 687
Mylona, P. 205
Mynett-Johnson, L. 2999
Myöhänen, S. 35
Myokai, F. 2998
Na, L. 760
Näär, A. M. 5164
Nabeshima, Y. 2811, 2811
Nabeshima, Y. I. 2988
Nachman, M. W. 4515
Nachshoni, D. 534
Nacy, C. A. 3146
Nada, S. 620, 3410, 3421
Nadal-Ginard, B. 6342
Nadeau, J. A. 1911
Nadeau, J. H. 818, 919, 3050
Nadeau, P. 5098, 6099
Nadel, B. L. 2084
Nadi, N. S. 6344
Nadler, L. M. 3400, 4965
Nadzhar, M. A. 6682
Naeem, A. 5519
Näf, D. 2292
Nagafuchi, A. 1214
Nagahashi, G. 2647
Nagai, C. 1683
Nagai, H. 3210
Nagai, J. 3877
Nagai, K. 6338
Nagai, N. 5669
Nagai, T. 1052, 3237, 4873, 5379, 5970, 6044
Nagai, Y. 5075
Nagamatsu, S. 5748
Nagamine, C. M. 6338
Nagamine, T. 5963
Nagamine, Y. 804, 2907
Nagamura, Y. 4719, 5911
Nagano, T. 187
Nagano, Y. 350, 1459, 4016
Nagao, K. 1721
Nagao, M. 786
Nagao, R. T. 4356
Nagao, Y. 451, 5367
Nagaoka, M. 4846
Nagaraja, K. V. 1486-1487
Nagarathna, K. C. 3415
Nagashima, H. 3163
Nagashima, T. 2648
Nagata, K. 1213, 1866
Nagata, R. 575, 4017
Nagata, S. 4149
Nagata, T. 3023
Nagato, Y. 6353
Nagatsu, T. 2916
Nagayama, K. 4524
Nagayoshi, M. 6209
Nagel, J. 3219, 4952
Nagel, R. L. 2817, 5507
Naggert, J. K. 907
Nagle, D. L. 4589
Nagle, N. J. 6095
Nagmani, R. 4832
Nagpala, P. 2845
Nagy, A. 2072, 2604, 5368
Nagy, B. P. 3871
Nagy, F. 3021, 3040, 5534, 5805
Nagy, R. 5368
Nagyová, E. 2121
Nahas, S. M. E. 1409
Naidu, K. S. 1404
Naidu, M. M. 6015
Naidu, M. R. 4258
Naik, P. S. 544, 6617
Nain, M. C. 3593
Nair, A. S. 1016
Nair, C. K. K. 3253
Nair, C. M. 5423
Nair, H. 1911
Nair, M. C. 4913
Nair, S. 3909
Naishizono, A. 143
Naitana, S. 6693
Naito, M. 596, 1226
Naito, S. 5226
Naito, T. 852
Naito, Y. 4582
Najakshin, A. M. 685
Najar, M. A. 6682
Najmabadi, H. 811-812
Nakagata, N. 1130, 3686
Nakagawa, H. 620, 4563
Nakagawa, S. 2903, 3687-3688
Nakagawa, Y. 3442
Nakagawara, K. I. 5616
Nakagawara, S. 5996
Nakahara, T. 1046, 4860, 5362
Nakai, A. 5749
Nakajima, K. 4551, 5670
Nakajima, M. 50, 4458
Nakajima, Y. 686
Nakajo, S. 28
Nakamichi, Y. 5748
Nakamura, C. 5865
Nakamura, I. 50, 3078
Nakamura, K. 1111, 5807, 6315
Nakamura, M. 2179, 3185, 3689, 3962
Nakamura, S. 707, 806, 2924, 3185, 4518, 5595
Nakamura, T. 1781

Nakamura, Y. 2135, 5933, 6145
Nakanishi, H. 4099
Nakanishi, K. 3752
Nakanishi, S. 686, 4043
Nakanishi, T. 2670
Nakanishi, Y. 4781
Nakano, E. 1297
Nakano, M. 488, 4276, 4873
Nakano, T. 3442, 4228, 4633
Nakaoka, T. 5057
Nakasaki, Y. 5066
Nakasone, K. 4516
Nakasone, S. 2649
Nakata, T. 198, 259
Nakatsuru, Y. 40
Nakauchi, H. 2868
Nakayama, A. 34
Nakayama, I. 6589
Nakayama, K. 2868, 5001, 5734, 6212
Nakayama, K. I. 2868, 5001
Nakayama, S. 2904, 2912
Nakayama, T. 968, 1368
Nakazato, H. 2906
Nakazono, M. 3490
Nam, H. G. 1276, 4389, 5216
Namba, R. 3185
Namba, T. 3523, 5067
Namikawa, R. 5043
Namioka, S. 2820, 3353
Namuth, D. 4165
Nan, X. 6565
Nana-Sinkam, S. C. 2202
Nancarrow, C. D. 1074, 2818
Nance, W. L. 1510, 4725
Nanda, G. 6093
Nanda, I. 1956
Nanda, K. 1055
Nanke, K. E. 2169
Naoshima, Y. 4442
Naot, D. 2914
Nap, J. P. 1365, 3861, 4630
Napier, J. A. 6312
Napier, J. R. 3769
Napoli, C. 4417
Narasimhan, M. L. 1912, 2720
Narasimhulu, S. B. 25, 5217
Narasimman, R. 3764
Narayan, R. K. J. 3625
Narayanan, K. N. 1442
Narayanan, R. 2867, 6202
Narayanan, R. B. 3146
Nardi, M. 5939
Nardi, S. 487
Nardone, J. 5002, 5068
Naresh Kumar 1086
Narfstrom, K. 1211
Narimoto, K. 968, 2062
Narumiya, S. 3523, 5067
Narváez-Vásquez, J. 4100
Nascimento, E. R. 1495
Nasr, F. 5671
Nasrallah, J. B. 533, 1599, 1635, 2163
Nasrallah, M. E. 533, 1599, 1635, 2163
Nass, S. J. 1949
Nasser, L. F. 2150
Nasser, W. 4353
Nasti, K. B. 6606
Nasuda, S. 1447
Nata, K. 2913
Natali, L. 1753
Natarajan, K. 2252
Natarajan, N. 3354
Natesan, S. 5170
Nathan, M. 4962-4963
Nathans, D. 2410
Nathanson, N. M. 3959
Nation, G. 2603
Nato, F. 2036
Natsuaki, T. 125
Natsuyama, S. 2062
Nauriyal, D. C. 1501
Navarrete, I. 2574
Navarro-Alvarez, W. 6686-6687
Navot, N. 1849, 5536, 6188
Nawa, H. 686
Naylor, M. W. 3807
Naz, R. K. 3158, 6060
Nazeri, S. 3199
Nazerian, K. 85
Ndiaye, I. 986
Neal, J. W., Jr. 1183
Neale, D. B. 6507, 6523
Neame, P. J. 5056
Nebel, R. L. 5408
Nebert, D. W. 1958
Neckermann, K. 850, 5816
Nédellec, P. 3440
Nedivi, E. 2914
Neera, S. 3391, 4459
Neergaard, E. de 1927
Neev, J. 1050
Nef-Campa, C. 4070, 4465
Negi, M. S. 5661
Negishi, I. 2868, 5001
Negishi, M. 3523, 4499, 5067
Negre, P. 1679
Negrel, J. 1563
Negri, D. 6055
Negri, P. 15, 2178
Nehls, M. C. 6576
Nehme, C. L. 687
Nehra, N. S. 2785
Neibergs, H. L. 370, 1477, 3073, 6451
Neijssel, O. M. 1645
Neilan, J. 60
Neill, J. D. 1776
Neill, S. 5704
Neiman, P. E. 5155
Neininger, A. 2463, 6294
Nelke, M. 3092
Nelkin, B. D. 651
Nelms, K. 5138
Nelson, A. J. 6295
Nelson, C. D. 1510, 4725
Nelson, D. 4634, 6710
Nelson, D. E. 3568
Nelson, D. L. 260, 3936
Nelson, I. 3443
Nelson, K. K. 367
Nelson, O. E. 5873
Nelson, O. E., Jr. 1327
Nelson, P. E. 2595
Nelson, R. 400, 1658
Nelson, R. J. 1162, 4193
Nelson, S. 2770
Nelssen, J. L. 2685
Nemer, M. 1844
Nemes, C. 23
Nemoto, N. 40
Nephew, K. P. 4333
Nerinckx, S. 3682
Nerinckx, S. S. 1516
Nesbitt, M. N. 4144
Nešković, M. 3758
Nespoulous, L. 3748
Nessler, C. L. 1878, 4472
Nester, E. W. 1108, 1635, 5530
Netherlands, Open Universiteit 3834
Neto, E. D. 4770
Neubert, U. 3156
Neuffer, M. G. 6070, 6536
Neugebauer, G. L. W. 1513
Neuhaus, G. 4625, 5777, 5833, 6150
Neuhaus, J. M. 1899, 2464
Neuhaus-Url, G. 4625, 5833, 6150
Neuman, T. 4586
Neumann, D. 6016
Neumann, P. E. 669
Neuner, H. 4277
Neuteboom, S. T. C. 321
Neven, L. G. 5091
Neves, N. 4169
Neville, P. 986
Newberne, P. M. 5171
Newbigin, E. 1168, 2164, 2679, 4432
Newbury, H. J. 1180, 1968, 3642, 4706, 5283
Newman, M. A. 1165
Newman, S. 5502
Newman, T. C. 2952, 3031
Newson, R. B. 1017
Newton, C. H. 4080
Newton, K. J. 384, 2943, 4014, 5117
Newton, R. J. 2033
Neznanov, N. 4414, 5503
Neznanov, N. S. 3524
Ng, K. 1498
Ng, S. C. 3049
Ng, S. S. M. 4411
Ng, T. J. 5008
Ng, Y. K. 822
Ngai, J. 268
Nghiem, P. 4133
Ngô, V. 5339
Nguyen, H. T. 1838, 2958, 3087, 3096, 4192, 4543, 5297-5298
Nguyen, M. 2921
Nguyen, T. B. van 5621
Nguyen, T. C. 3063
Nguyen-Quoc, B. 4629, 5109
Ni, B. 6344
Ni, W. T. 1332, 4635
Nicander, B. 3575
Nichol, S. T. 3151
Nicholas, F. W. 2248, 4134
Nicholas, J. 2243
Nicholls, C. M. 4344
Nicholls, R. D. 2994
Nichols, B. J. 5597
Nichols, J. 4931
Nichols, M. E. 3249
Nichols, R. 196
Nichols, S. 3370
Nicholson, H. 2800
Nicholson, P. 1986
Nick, H. 3942
Nickel, B. E. 691
Nickerson, J. 3114
Nickle, T. C. 5395
Nicolaisen, M. 2214
Nicolas, D. 5875
Nicolás, G. 5630
Nicolas, L. 2692
Nicolas, P. 5293
Nicolas, R. H. 5155
Nicolet, J. 65
Nicolis, S. 767
Nicolodi, C. 2298
Nie, X. Z. 5697
Niebel, A. 2265
Niebur, W. S. 6761
Nieden, U. zur 6016
Niedenhof, I. 5225
Niederhäusern, B. von 261
Niederweis, M. 5340
Niedz, R. P. 1018, 2113
Nielen, M. 449
Nielsen, D. 3591, 5248
Nielsen, K. A. 489
Nielsen, K. K. 5529
Nielsen, P. E. 404
Nielsen, P. J. 908, 2420
Nielsen-Leroux, C. 2692
Niemann, H. 582, 1694, 2127, 4800, 5371, 5422
Niemirowicz-Szczytt, K. 6643
Nienhuis, J. 1985, 5299, 5306
Nieto-Sotelo, J. 4101, 5120
Nieuwhof, M. 6761
Niforas, P. 3971
Nigg, E. A. 3433
Niglio, A. 2617
Nigris, M. de 2559
Nigro, V. 823
Niida, Y. 5020
Niidome, T. 187
Niizeki, H. 1062
Niizeki, M. 28, 394
Nijkamp, H. J. J. 1375, 5838
Nikolova, V. 1548
Nilsen, T. 6045
Nilsson, B. O. 414
Nilsson, E. 969, 2234
Nilsson, N. O. 5280
Nilsson, O. 19
Nimpf, J. 2331
Nimzyk, R. 1275
Ninkina, N. N. 813
Ninnemann, O. 6296
Niño Jesús, A. del 3755
Ninomiya, T. 5504
Ninomiya, Y. 2998
Nishi, M. 3511, 3525, 6215
Nishi, S. 2820
Nishi, Y. 6415
Nishida, E. 2369
Nishida, S. 3445
Nishida, T. 1193, 6661
Nishida, W. 2915
Nishihama, R. 1111
Nishihara, M. 20, 1239
Nishikawa, K. 2924
Nishikawa, T. 5046
Nishikawa, Y. 4485
Nishimi, S. 4464
Nishimiya, S. 2088
Nishimura, C. 3444, 5069
Nishimura, E. 4033
Nishimura, K. 4833
Nishimura, M. 1894, 2359, 5703, 6280, 6297
Nishimura, T. 982, 5075, 5172
Nishina, H. 841
Nishina, P. M. 907
Nishio, M. 1188
Nishio, T. 6545
Nishio, Y. 3526, 6068
Nishioka, Y. 5598
Nishitani, K. 4552
Nishiuchi, T. 6297
Nishiyama, M. 2713
Nishiyori, A. 793
Nishizawa, N. K. 4099
Nishizawa, S. 490
Nishizawa, Y. 2370
Nisitani, S. 4412
Nissenson, R. A. 5028
Nitschke, L. 3120
Nitta, R. 2056, 3690
Niu, X. M. 1912, 2720, 5672
Nivison, H. T. 6298
Niwa, K. 2133, 3233, 4794, 4851, 4871, 5363, 6600, 6664
Niwa, O. 814, 3619
Nixon, K. C. 6509
Niyogi, K. K. 862
Njølstad, P. R. 3970
Nkongolo, K. K. 1913
Nocart, M. 4675
Noce, T. 4139
Noda, K. I. 6299
Noda, M. 5055
Noda, T. 6215
Noda, Y. 968, 1519, 2062
Nodari, R. O. 1997
Noebels, J. L. 5858
Noël, T. 3862
Noguchi, M. 5247
Noguchi, T. 4525
Noguchi, Y. 1531
Noh, E. W. 4636
Nohner, H. P. 2602, 5369
Nohno, T. 705, 3445
Noirot, M. 477, 5268
Noji, M. 5673
Noji, S. 2998, 3445
Nolan, G. P. 4932
Nolasco, M. 6355
Nöllen, Y. 4316
Nomura, H. 2916
Nomura, K. 2645
Nomura, M. 658
Nomura, T. 1841, 2916
Nomura, Y. 1019
Nonaka, I. 2811
Nonaka, M. 1871
Nonaka, S. 198
Nonneman, D. J. 3453
Nonogaki, T. 1519
Nonomura, K. I. 393
Nonomura, N. 790
Noolandi, J. 3666, 4753
Nordeen, R. O. 2260, 2269
Nordskog, A. W. 706
Norell, L. 4606
Norelli, J. L. 4948
Norén, O. 1963
Nørgaard, J. V. 1562, 1583, 4875
Nornes, H. O. 4586
Norren, K. van 839
Norris, J. S. 3307, 5145
North, H. 4069
Northey, D. L. 4858

Norton, C. R. 5014
Norton, M. 2307
Norway, Institute of Marine Research 6738
Nosaka, D. 3450
Nosaka, Y. 4561
Nosek, J. 6356
Nosetto, E. O. 1480
Noshiro, M. 5173
Nosov, A. V. 3225
Notsuki, I. 4228
Nottle, M. 3163
Nougarède, A. 5414
Nour, K. A. 4834, 6017
Novák, F. J. 6192
Novak, R. J. 3155
Novakofski, J. 2691
Nover, L. 3269, 6016
Nowak, H. P. 1870
Nowak, J. 3092
Nowotny, P. 3101
Nowotny, V. 3101
Nowshari, M. A. 2605
Noyer, J. L. 3082, 3632
Nozaki, M. 683, 808, 2987, 3515
Nozawa, H. 6415
Nozawa, S. 4856
Nugent, J. M. 736, 5912
Numazawa, C. 1067
Numoto, M. 814
Nunberg, A. N. 1366, 5834
Nunes, F. A. 4937
Nunes Duarte, J. C. 3685
Nunomura, O. 3637
Nürnberg, K. 3260
Nürnberger, T. 1182
Nusgens, B. 4853
Nuss, L. 6175
Nussaume, L. 3901
Nussbaum, J. L. 262
Nussberger, S. 5038
Nuutila, A. M. 3263
Ny, T. 5750
Nybom, H. 386
Nye, S. H. 5030
Nygaard, P. 5685
Oakeley, E. J. 6577
Oakes, J. V. 6170
Oard, J. 1680
Oates, E. L. 4494
Oba, M. 4856
Obando, M. 2631
Obanni, M. 4700
Obata, R. T. 1111
Obeidy, A. A. 491
Oberbauer, A. M. 3259
Oberley, L. W. 2812
Oberley, T. D. 2812
Obermüller, F. 2407
Oberoi, M. S. 417
Oberst, R. D. 1496
Obilor, S. N. 4897
Obokata, J. 234
Obosi, L. A. 2919
O'Brian, M. R. 866, 6394
O'Brien, E. 1090
O'Brien, S. J. 2055, 3069
O'Brien, W. E. 1752, 6164
O'Callaghan, D. 4880
Ocampo, J. A. 168
Ocampo, L. C. 4865, 5409
Ocampo, M. B. 4865, 5409
Ocaña Quero, J. M. 4866
Ochatt, S. 1699, 2103
Ochatt, S. J. 492, 2216, 2650, 3182
Ochoa, O. 1178
Ochoa-Alejo, N. 6650
Ochs, G. 2959, 6307
O'Connell, A. 5193
O'Connell, E. 5247
O'Connell, M. A. 1345
O'Connor, K. W. 3279
Oda, M. 4846
Oda, T. 2135
Odake, Y. 3200
Odde, K. G. 6695
Odell, J. T. 6201
O'Dell, M. 2444, 3083
Odenbach, W. 5817
Odensvik, K. 6067
O'Donnell, A. G. 2193, 2731
O'Dowd, D. K. 1321
O'Dowd, N. A. 610
O'Driscoll, K. M. 4009
Oduro, K. K. 6151
Oe, M. 975
Oeij, H. 2284
Oeller, P. W. 2477, 3542
Oelmüller, R. 4095, 4102, 4623
Oettler, G. 1718, 5817
Offenberg, H. H. 3438
Offerhaus, G. J. A. 1748
Offringa, R. 1114
Ofir, M. 4326
Ofuya, C. O. 4897
Ogano, Y. 5971
Ogarkova, O. A. 389
Ogawa, H. 641, 3980
Ogawa, N. 787
Ogawa, S. 6668
Ogawa, T. 3980
Ogden, E. L. 2652
Ogi, K. 4580
Ogi, Y. 931
Ogihara, Y. 1998, 2015, 4734, 5918, 6546
Ogilvie, M. K. 1780
Ogishima, T. 187
Ogiwara, I. 4860
Ogren, W. L. 3565
Oguma, T. 1297
Ogura, A. 1531
Ogura, N. 4563
Oguri, N. 971, 2119, 6596
Oguro, T. 4785
Oh, B. G. 3716
Oh, I. U. 670
Oh, M. H. 5396
Oh, M. W. 3894
Oh, S. J. 4789, 4795
Oh, S. P. 5070
Oh-ishi, S. 5580
O'Hara, P. J. 2334, 6236
Ohashi, P. S. 157, 4965
Ohashi, Y. 852, 2443, 2649, 5111
Ohba, T. 1111
Ohbayashi, A. 5111
Ohbayashi, K. 1441
Ohfuchi, T. 5913
Ohgawara, T. 6648
Ohkawa, J. 6415
Ohki, S. 4278
Ohler, L. D. 5341
Ohlrogge, J. B. 4420, 4603, 5692, 6305, 6308
Ohlsen, S. M. 3446
Ohlsson, A. B. 146, 1190
Ohlsson, H. 5599
Ohlsson, M. 5750
Öhlund, R. C. V. 1065
Ohm, H. 4700
Ohme-Takagi, M. 3031
Ohmido, N. 5277
Ohmura, T. 4734
Ohnishi, S. 1239
Ohno, S. 1188, 4140
Ohno, T. 3554
Ohnuki, T. 2713
Ohono, T. 5355
Ohsawa, R. 403, 3638
Ohshima, K. 235
Ohshima, M. 2443
Ohsumi, C. 4473, 5543
Ohta, D. 1274, 6317
Ohta, H. 3028
Ohta, I. 5949
Ohta, M. 716, 1841, 4524, 5586
Ohta, S. 6143
Ohta, Y. 469, 5996
Ohtagaki, S. 1964, 2524
Ohtaki, M. 3464
Ohtaki, T. 4580
Ohtani, T. 2376, 2964
Ohtomo, K. 2338
Ohtsubo, K. 5963
Ohtsubo, N. 1368, 5228
Ohuchi, H. 2998
O'hUigin, C. 688, 1229
Ohya, T. 2582, 6415
Ohyama, Y. 5173
Oida, H. 5067
Oie, H. K. 2313
Oikawa, T. 1067
Oike, M. 1531
Oishi, M. 4216
Oishi, T. 4126
Ojeh, C. K. 1497
Oka, S. 501
Oka, T. 39, 790
Okabe, J. F. 3337
Okabe, S. 835
Okada, A. 4587
Okada, K. 224, 527
Okada, M. 620
Okada, N. 235, 1735, 3973, 6415
Okada, N. A. 5705
Okada, S. 1746, 5762
Okada, Y. 6331
Okajima, A. 3972
Okamoto, H. 2913, 5616
Okamoto, M. 4412
Okamoto, S. 5862
Okamura, H. 1226
Okamura, K. 4455
Okamura, N. 5379
Okamura, R. 793
Okamura, S. 3735
Okamuro, J. K. 1914
Okano, A. 5379
Okano, I. 1781
Okano, T. 2857
Okarma, T. B. 3845
Okazaki, H. 4580
Okazaki, K. 6209
Okazaki, M. 5669, 6088
Okazaki, Y. 4676
Okazawa, H. 1316
O'Keefe, D. P. 6201
Okhrimenko, G. N. 161
Oki, T. 3537
Okinaga, S. 3000, 3689
Okita, T. 353
Okita, T. W. 5814, 6444
Okitsu, O. 5363
Okret, S. 663, 4032
Öktem, H. A. 3313
Okuda, K. 1188, 3233, 3955, 4794, 4871, 5363, 6600
Okuizumi, H. 4676
Okuley, J. 3491
Okumura, N. 4099
Okuno, T. 1721
Okuse, I. 457
Okuyama, T. 5078
Olar, T. T. 1526-1527
Oldknow, J. 4337
Olds-Clarke, P. 3070
Oldstone, M. B. A. 3323
O'Leary, E. 3461
Olin-Fatih, M. 2796
Oliva, G. A. 1480
Olive, M. 5818
Oliveira, A. 1993
Oliveira, C. M. 493
Oliveira, D. E. de 112
Oliveira Resende, R. de 1722
Oliver, D. J. 1835, 5845
Oliver, M. J. 4637
Oliver, R. P. 4537
Oliver, S. G. 2737
Oliviero, S. 952
Olivo, P. D. 2564
Ollitrault, P. 6622
Olmedilla, A. 5229
Olmstead, R. G. 218, 1795, 1821, 1824
Olofsdotter, M. 2172
Olofsson, J. I. 5174
Olowson, M. 1949
Olsaker, I. 909, 1228, 3613, 6243-6244, 6479
Olsen, B. R. 836, 1693, 5070
Olsen, F. L. 6055
Olsen, O. 1930, 2465
Olsen, O. A. 3499, 4067, 4175
Olson, A. L. 41
Olson, E. N. 579, 2332, 2863
Olson, T. 6513
Olsson, O. 19, 4114
Olszewski, N. E. 5809
Olvera, J. 3428, 3939
O'Mahony, D. J. 144
O'Malley, B. W., Jr. 1666
O'Malley, D. 4157
Omann, F. 4553
Omar, S. H. 1645
Omirulleh, S. 3342
Onckelen, H. van 287
Onda, H. 4580
Onde, S. 2356
O'Neil, B. W. 141
O'Neill, R. R. 3507
O'Neill, S. D. 1367, 1911, 1932, 5227
O'Neill, T. J. 5577
Ong, M. 3012
Ong, W. C. 3427
Onions, D. E. 1153
Onishi, H. 3955
Ono, H. 688
Ono, K. 20
Ono, M. 69, 4053
Ono, N. 4079
Ono, T. 658, 3424, 4685
Onoe, S. 1504
Onogi, T. 806
Onuma, M. 1504, 3884
Onyeocha, I. 3562
Ooe, M. 531, 3228, 5429
Ooijen, J. W. van 3368
Oommen, A. 1332
Ooms, G. 3564
Oord, J. J. van den 3920
Oort, P. J. 6236
Oosawa, K. 993
Ooshima, A. 5070
Oostdam, A. 1738
Oosterwegel, M. 839
Oostrom, C. T. M. van 2917
Oostveldt, P. van 5937
Opekarová, M. 6428
Oppenheim, A. 537, 3906, 4574
Oppenheim, A. B. 172
Oppenheimer, A. J. 6484
Oppenheimer, D. G. 2455, 3477
Opperman, C. H. 2849
Oprandy, J. J. 3146
Opsahl-Ferstad, H. G. 4067, 6688
Op't Hof, B. M. 3664
Or, E. 2466
Orbán, L. 564
Orban, P. C. 6208
Orbović, V. 5207
Ord, D. C. 4141
Ordóñez, J. R. 5393
Orellano, E. G. 3030
Oren, M. 842
Orf, J. 1994, 6540
Orf, J. H. 3895
Orford, S. E. 1901
Ørgaard, M. 4151, 6506
Organisation for Economic Co-operation and Development 6738, 6761
Orihara, Y. 4474
Orinda, G. O. 4229, 6173
Orino, K. 2582
Orkin, S. H. 634, 5566
Orlacchio, A. 637
Orlikowska, T. K. 3201
Orlowski, J. 837, 6501
Ormerod, A. J. 4319
Ormondt, H. van 1665
Ormrod, J. C. 1325
Örn, A. 53
Ørnstrup, H. 2073
Oron, Y. 1578
Oropeza, A. 3579
Orozco, B. M. 3565
Orozco-Cardenas, M. 2266
Orozco-Castillo, C. 5300
Orr, G. 6284
Orr, P. H. 1197
Ortiz, J. 1011
Ortiz, R. 2023
Ortner, S. 64
Ortolan, M. G. S. 3175
Os-Ruygrok, E. P. van 301, 1676

Osborn, C. T. 826
Osborn, S. G. 6236
Osborn, T. C. 396, 1757, 3088, 4174, 4704, 5897
O'Shea, T. 3248
Oshima, R. G. 611, 3524, 4414, 5503
Oshins, C. 2716
Osman, M. 2930
Osoba, O. A. 3736, 4475
Oss, H. van 5536
Ostashko, F. I. 6599
Ostell, J. 749
Osterman, J. C. 840, 5674
Ostermann, K. 5022
Ostrolucká, M. G. 4285
Ostry, M. 4835
Osumi, T. 793
Osumi-Yamashita, N. 2998
Oswald, E. 1500
Oswald, W. 1151
Otani, M. 494, 1062, 2786
Othman, O. S. 1409
Otoi, T. 1532, 2126, 5378, 5971, 6601, 6609
Otsen, M. 4142
Otsuki, Y. 3716, 4991
Ott, R. S. 2677
Ott, T. L. 4333
Otten, A. 2243
Otten, L. 122, 3627
Otten, N. 76
Ottenhoff, R. 1748
Otto, A. 306
Otto, F. J. 1047
Ottoboni, L. M. M. 4117
Ou, C. N. 2236
Ou, X. 495
Ouayogode, B. 1652
Ouchi, S. 1176
Oude Elferink, R. P. J. 1748
Ouelhazi, L. 4476
Ouellet, F. 5675
Ouellette, A. J. 3461, 5720
Ougham, H. J. 291
Ouhayoun, J. 3256
Ouhibi, N. 4796
Ouyang, J. W. 6689
Ouzounis, C. 665
Ovadia, J. 974
Ovchinnikova, V. N. 6639
Ovečka, M. 1543
Ovenden, J. R. 910
Overbeek, P. 5733
Overbeek, P. A. 2236, 4970
Overbergh, L. 3965
Overstrom, E. W. 529
Overturf, K. E. 5045
Overvoorde, P. J. 6018
Ovitt, C. E. 5549
Ow, D. W. 1258
Owen, M. R. L. 1731
Owens, L. D. 2260, 2269, 2735, 4398
Owens, T. 5891
Owens y de Novoa, C. 6578
Ozaki, L. S. 3196, 4428
Ozaki, Y. 2582
Ozawa, F. 5078
Ozawa, S. 6661
Ozawa, Y. 3973
Özcan, S. 1020, 1087
Ozias-Akins, P. 1970, 2787
Ozono, K. 5173
Pääbo, S. 6571
Paau, A. S. 4382
Pablo, F. de 699
Pace, C. de 5792
Pace, G. M. 514, 570
Pacek, P. 947
Pačes, V. 3447
Pachnis, A. 2817
Pachnis, V. 2870
Pacifici, M. 836
Packer, A. I. 1306, 1317
Paden, D. W. 6533
Padlan, C. 6486
Padmanaban, V. D. 1502
Pagé, D. 5301
Page, D. C. 3990
Page, J. L. 4243
Page, R. A. 1207
Page, R. L. 3324, 4883
Page, R. le 4366
Page, T. 4198
Pagès, M. 4614, 4653
Pagliusi, S. 4588
Pagnotta, M. A. 4726
Paige, C. J. 157
Paige, K. N. 932
Paigen, B. 907, 6459
Pailhoux, E. 5960
Paillard, N. 3392
Paillisson, J. 2250
Pais, M. S. 1021, 5100
Pais, M. S. S. 6011
Paisley, E. A. 247
Paiva, N. 1332
Paiva, N. L. 4635
Paiva, R. 6416
Pajak. L. 2409
Pajeau, M. 3854
Pajuelo, P. 2347
Pal, A. 567, 4824
Palacios, R. 170
Palanker, D. 4219
Palasz, A. 970
Paldi, A. 903, 3527
Palevitz, B. A. 4013
Pallavicini, M. 3610
Palloix, A. 4180
Pallotta, M. L. 5357
Palma, G. 4325
Palme, K. 338, 1259, 1383
Palmer, C. R. 4338
Palmer, E. 524, 3678
Palmer, J. D. 736, 1795, 1821, 1824-1825, 1828, 1987, 3475, 5912
Palmer, R. 1990
Palmer, R. G. 5201
Palmgren, M. G. 5676
Palmieri, F. 5035
Palmisano, A. C. 3786
Palmiter, R. D. 2981, 3334, 5751
Palmon, A. 5175
Palni, L. M. S. 6653
Palomares, R. 4102
Palomo, M. J. 5406
Pals, C. 3530
Paludan, K. 5470
Palva, E. T. 409, 3998, 6712
Palva, T. K. 409, 3998
Paly, J. 5034
Pan, A. 5632
Pan, A. H. 3347, 4103
Pan, C. G. 4435
Pan, J. S. 476
Pan, K. M. 4978
Pan, S. Q. 5530
Pan, X. G. 1587
Pan, Y. F. 5600
Pan. M. G. 5601
Panaccio, M. 3121
Panday, B. 2099
Pandey, A. 6006
Pandeya, R. 5264
Pandeya, R. S. 4960
Pandolfi, R. 2657
Pang, S. 5049
Pang, Y. F. 3229
Pani, L. 5053
Paniego, N. B. 3918
Panis, B. 4111, 5397
Panis, Y. 561
Panitz, R. 315
Pannelli, G. 3314
Pantaloni, C. 3532
Panthier, J. J. 2813
Paolini, M. 6690
Paolis, A. de 3502
Papadimitriou, J. M. 791
Papaioannou, V. 2606
Papaioannou, V. E. 154, 5361
Papamatheakis, J. 5189
Papandroulakis, N. 6738
Papas, T. S. 253
Papayannopoulou, T. 795
Papis, K. 971
Paplomatas, E. J. 410
Pappelis, A. J. 5810
Paprocki, A. M. 4787
Paquis-Flucklinger, V. 2666
Paramio, M. T. 5406
Paran, I. 1178
Pardee, A. B. 800
Pardo, J. M. 5635
Pardos, J. A. 4257
Paré, P. W. 3725
Pareek, A. 4355
Parent, J. G. 5301
Parets-Soler, A. 1915
Parfitt, D. E. 1979, 3737
Paris, S. 2253
Parish, N. M. 42
Parissenti, A. M. 5752
Park, C. 4065
Park, D. 185
Park, D. J. 5592
Park, E. A. 668
Park, H. Y. 1032
Park, J. M. 3783
Park, K. G. 4279
Park, K. H. 3723
Park, K. Y. 2486
Park, N. B. 3723
Park, S. B. 5424
Park, S. C. 6399
Park, S. D. 2918
Park, S. H. 2918
Park, S. J. 4789
Park, S. K. 4389
Park, S. S. 5382
Park, T. K. 5230
Park, W. D. 5839, 6133
Park, Y. H. 1739, 3640-3641
Park, Y. S. 1276
Park-Sarge, O. K. 4054
Parkanyi, V. 6496
Parker, E. M. 1870
Parker, J. E. 1165, 1999
Parker, J. S. 1017, 4560
Parker, K. E. 3974
Parker, K. L. 1310, 2398, 5752
Parker, L. T. 5302
Parker, M. G. 772
Parker, R. L. 2326
Parkhouse, R. M. E. 3435
Parkin, D. T. 2018
Parkin, I. 4183
Parkinson, R. 4363
Parks, B. 5679
Parks, B. M. 728
Parks, C. R. 1826
Parks, J. E. 2128
Parlevliet, J. M. 1471
Parmentier, Y. 1807
Parmley, S. F. 4425
Parnassa, A. 5140
Paroczay, E. W. 5510
Parodi, B. 753
Parodi, F. J. 4466
Parr, A. J. 4452
Parra, I. 4754
Parrish, J. J. 4858
Parrott, W. A. 3172
Parry, D. A. D. 5046
Parsels, L. A. 628
Parsons, J. T. 5039
Parsons, R. L. 343
Parsons, Y. M. 1410, 4517
Parthier, B. 332, 4110, 4645
Partridge, J. 2381
Parwani, A. V. 1497
Pascal, E. 1723
Pascall, J. C. 5191
Pascual, M. L. 2031
Paskewitz, S. M. 1498
Pasqual, M. 3174
Passelegue, E. 4353
Passey, A. J. 2244
Passmore, H. C. 918
Passoni, L. 2049
Pastan, I. 2286
Pasternak, J. J. 1298, 1443, 1460
Pastor, L. M. 1581
Pastorek, J. 86
Pastori, R. L. 3975
Paszkowski, J. 4495
Patat-Ochatt, E. M. 2103
Patejunas, G. 6164
Patel, B. 3273
Patel, C. V. 2323, 5764
Patel, K. 357
Patel, S. 3038
Patel, V. 6708
Patel, V. P. 410
Pater, B. S. de 305, 3479
Pater, S. de 322, 6300
Paterson, A. H. 933, 2000, 2035, 5271, 6555
Paterson, H. F. 5155
Paterson, R. R. M. 2170
Patil, R. S. 4280
Paton, M. G. 77
Patrie, W. 4087
Patriotis, C. 1763
Pattengale, P. K. 2221
Patterson, G. I. 1916
Patton, J. C. 3119
Paufler, S. 4660
Pauk, J. 3571, 3738
Pauken, C. M. 4589
Paul, A. 1025
Paul, A. L. 323, 4638
Paul, D. 1694
Paul, E. M. 49
Paul, H. 3739
Paul, M. J. 3564
Paul, S. M. 6344
Paul, W. 1806, 3776
Paul, W. E. 5138
Pauli, U. 261
Paulíková, D. 6692
Paulin, D. 2808
Paull, J. 1989
Pauls, K. P. 1451, 2017
Paulsen, G. M. 4728
Paulson, J. C. 681
Paulus, F. 122
Paunesku, T. 938
Pautot, V. 4390, 5531
Pavasuthipaisit, K. 5370
Pavek, J. J. 6168
Pavesi, A. 4015
Pavingerová, D. 4949
Pavlok, A. 1577, 2127
Pavlovic, J. 6214
Pawlicki, N. 3220, 3930
Pawshe, C. H. 2596, 2667, 4799, 6673-6674
Pay, A. 6301
Payen, E. J. 689
Payette, K. L. 5594
Payne, A. H. 3940
Payne, L. K. 1766
Paynot, M. 1563
Pays, E. 4977
Payton, S. 1279
Paz, P. de 6602
Paz, V. 3428, 3939
Pazdera, J. 371
Pazik, J. 905
Pè, M. E. 2549, 5523, 5914, 6074
Peacock, A. J. 4331
Peacock, J. 324, 3271
Peacock, W. J. 286, 5270, 5818
Peakall, R. 1982
Pear, J. 1159
Pear, J. R. 325
Pear, W. S. 4932
Pearce, P. D. 1424, 3585
Pearce, R. S. 3791, 6101
Pearl, A. W. 5410
Pearlman, R. E. 5864
Pearse, R. V., II 758, 2384
Pearson, B. E. 3326
Pearson, L. D. 412
Pearson, P. L. 4410
Pearson, R. E. 3324, 4883, 5967, 6669
Pease, A. C. 5321
Pease, E. A. 4656
Pease, L. R. 3976
Pease, S. 3522
Pecchioni, N. 2001
Pech, J. C. 2472, 4776
Pech, M. 3947
Pecker, I. 4547
Pedersen, C. 4281
Pedersen, F. S. 5470

Pedersen, H. C. 6683
Pedersen, L. 5470
Pedersen, Ø. 4861, 6045
Pedersen, P. L. 5591
Pedersen, R. 2866
Pedersen, R. A. 4046, 4414, 5258
Pedersen, S. 520
Pedrazzini, E. 2467
Pedrazzini, R. 5990
Pedrinaci, S. 2814
Pédron, J. 5806
Pedroso, M. C. 1021
Pedrotti, E. L. 6640
Peelman, L. 1396
Peeples, M. E. 1785
Peerless, A. C. J. 4488
Peers, B. 2997
Peeters, B. 652, 2984
Peeters, M. C. 3202
Peffley, E. B. 6652
Peichel, C. L. 701, 3614
Peipersburg, W. 1645
Peippo, J. 5359
Peirce, J. 1293
Peirson, C. A. 4668
Pekas, J. C. 1604
Peláez Suárez, M. 3681
Pelcher, L. E. 1013, 5128
Pelèse, F. 2213
Pélissier, B. 2733, 3917
Pélissier, T. 6554
Pelizzoni, F. 4294
Pellé, R. 78
Pellegrineschi, A. 3392
Pellegrini, G. M. 4186
Pellegrini, L. 1277
Pellegrini, M. C. 2565
Pellegrini, M. G. 4990
Pellegrino, C. 3411
Pelletier, G. 535, 1123, 2213, 4941, 5826, 6072, 6701
Pellicer, A. 1220, 1418
Peloquin, J. J. 3122
Peluso, J. J. 1310
Pemberton, J. M. 2712
Peña, L. 1727
Pena, S. D. J. 2743
Peña-Cortés, H. 326
Penberth, J. 263
Pence, V. C. 3740
Pendergrast, P. S. 2415
Pendleton, R. C. 1897
Penfold, L. M. 3756
Peng, H. M. 5602
Peng, H. P. 6399
Peng, J. R. 4198
Pennathur, S. 1318
Pennec, J. P. le 692
Penner, G. A. 1724
Penninge, J. 2821
Penninger, J. 157, 6212
Pennings, J. M. E. 4482
Pennington, K. L. 700
Penny, D. 4214, 4760
Penon, P. 5790
Penty, J. M. 891, 1402, 1411, 2527
Penzes, E. 1168, 3900
Pépin, M. C. 4969
Peppel, K. 2209
Pepperkok, R. 265
Perales, J. C. 3304, 4933
Percival, F. W. 2951
Pereira, A. 4162
Pereira, M. G. 5303
Pereira de Souza, A. 5903
Perera, R. J. 1681
Pérez, C. 6641
Pérez, J. F. 6096
Perez, J. R. 2867, 6202
Perez-Albuerne, E. D. 2410
Pérez-Bermúdez, P. 1733
Pérez-Callejón, E. 3492
Pérez-Grau, L. 1293
Pérez-Parron, M. A. 6641
Perfect, J. R. 2256
Periappuram, C. 3177
Periasamy, M. 829
Perlick, A. M. 327, 3484-3485
Perlin, M. 6557
Perlmutter, R. M. 2229, 3321
Perozzi, G. 5071
Perret, J. 49
Perret, X. 5018
Perricaudet, M. 4387
Perrin, M. H. 1782
Perrone, D. 2779
Perrot, G. H. 2437
Perrot-Rechenmann, C. 6137, 6418
Perrotta, C. 4015
Perry, A. C. F. 5597
Perry, B. D. 11
Perry, M. D. 3371
Perry, R. P. 771
Perryman, M. T. 1452
Persley, G. 2724
Persley, G. J. 6721
Pery, P. 145
Pesce, A. S. 4554
Pesce, M. 959, 1517
Peschke, V. M. 5121
Pesole, G. 2976
Pessin, J. E. 41, 2231
Pestka, J. J. 4777
Peter, A. T. 3238, 4802
Peter, K. V. 3698
Peter, R. E. 2895
Peterek, G. 5205
Peterhans, E. 261, 413
Peterman, T. K. 6409
Peters, A. G. 1959
Peters, D. 1706, 1722
Peters, J. 1940, 1950, 4678, 6487-6489
Peters, J. A. 4290
Peters, J. M. 62
Peters, K. G. 597
Peters, L. L. 372
Peters, M. S. 511
Peters-Van Rijn, J. 2013-2014, 6556
Petersen, D. N. 37
Petersen, J. N. 6085
Petersen, M. 148-149, 1564, 1645
Petersen, W. L. 3854
Peterson, C. 3612
Peterson, C. J. 957
Peterson, D. 5043
Peterson, K. 5567
Peterson, K. R. 43
Peterson, P. A. 2257, 3081, 3566, 4997, 5639
Peterson, P. M. 1432
Peterson, T. 2358, 5800
Petiard, V. 1555
Petit, E. 893
Petit, G. 4449
Petit, R. 4176
Petitjean, A. 1877
Petitprez, M. 2472, 4776, 6660
Petjuch, G. 5269
Peto, C. A. 847
Petr, J. 4307
Petrasovits, L. 1179
Petrenko, O. 1777
Petri, G. 2282
Petrij, F. 1772
Petrino, T. R. 6676
Petrowski, M. 2448, 6270
Pettard, V. 5439
Pettersson, E. 5513
Pettersson, U. 53, 72
Pettinger, W. 5868
Petzelt, C. 265
Petzer, I. M. 4338
Peumans, W. J. 1249, 2352, 5101
Peura, T. 4968
Peura, T. T. 2063, 6603
Peveri, C. 2001
Pévet, P. 779
Peyachoknagul, S. 4282
Peynot, N. 2045
Peyruchaud, O. 3372
Pfaff, D. W. 4577
Pfannmüller, E. 3448
Pfannschmidt, T. 5231
Pfeffer, B. A. 5579
Pfeffer, K. 157
Pfeifer, G. P. 2032
Pfeiffer, A. 5061
Pfeiffer, F. 4530
Pfeiffer, P. 3254
Pfeuffer, T. 6245
Pfister, H. 261
Pfitzner, A. J. P. 6516
Pfitzner, U. M. 5122
Pfützner, H. 1483
Pham, K. 322
Pham-Dinh, D. 262
Phang, V. P. E. 4201
Pharr, D. M. 6025
Pharr, G. T. 1783
Phelps, S. F. 3327
Philip, M. 5476
Philip, P. de 171
Philip, R. 3845, 5476
Philipp, S. 3007
Philipp, U. 5915
Philippe, L. 4750
Philipps, G. 1807, 5631
Philips, J. 4987
Phillips, A. 5704
Phillips, A. L. 4555
Phillips, C. J. C. 1073
Phillips, D. M. 3070
Phillips, G. C. 6659
Phillips, H. K. 3967
Phillips, J. A., III 1962
Phillips, J. P. 2166
Phillips, K. S. 1765
Phillips, M. 2891
Phillips, R. L. 1756, 3842, 4717, 5890, 5935, 6193
Phillips, T. D. 3085
Phillips, W. A. 3249
Phillipson, B. A. 1917
Philpot, R. M. 177
Phua, S. H. 373, 1412, 1424, 1957, 2537
Piatigorsky, J. 252, 646, 3001
Piazzi, G. 911
Picard, B. 1499
Picard, G. 6554
Picard-Pasquier, N. 1499
Pich, U. 4184, 4755
Picha, K. S. 2330
Pichersky, E. 391, 1836, 4541, 5799
Pichl, L. 5684
Pichon, M. 6393
Pickardt, T. 2245
Pickersgill, R. W. 1827
Pickett, C. B. 820
Pickup, R. W. 2193
Picton, S. 1278-1279, 4556, 5646, 5698, 6379
Piechaczyk, M. 2894
Piechottka, G. P. 6275
Piekos, B. 5855
Pierani, A. 2411
Pierce, J. C. 3057
Pierce, S. K. 2320
Pierce, J. W. 3529
Pierre, M. 3933
Pierson, C. A. 1401-1402, 1413
Pieters, M. H. E. C. 2601
Pietrzak, M. 2464, 5100
Piferrer, F. 5426
Piffanelli, P. 3558, 6311
Pihl, M. 414
Pihlgren, U. 1384
Pijut, P. M. 4836
Pikaard, C. S. 283
Pike, J. W. 36, 761
Pilate, G. 3018, 4608, 5488
Pilder, S. H. 3070
Pilet, P. E. 336
Pilgrim, M. L. 1369-1370
Pilhouze, J. 6761
Pilkington, S. J. 690
Pilla, F. 911
Pilon, A. L. 1958
Pilowsky, M. 3674
Pilz, A. 1940
Pimentel, R. B. 928
Pinck, L. 1712, 1726, 4980
Pinck, M. 1726
Pinçon-Raymond, M. 1397
Pinder, A. 1071
Pineda, O. 4981
Piñeiro, M. 6417
Pinkert, C. A. 2151
Pinnow, D. L. 465
Pinon, J. 2296
Pinot, F. 6279, 6313
Pintado, B. 5425
Pinto, A. C. Q. 4837
Pinto, F. M. 4401
Pinto, J. E. B. P. 3170, 3174
Pinto, L. H. 4694, 6346
Pinto-Correia, C. 1049, 2058
Pintor-Toro, J. A. 5635
Pinyopummintr, T. 4797
Piotte, C. 3356
Pipas, J. M. 2239
Piper, L. R. 1410, 3063, 4517
Pircher, H. 4965
Pirchner, F. 6494
Pirck, M. 5677, 6301
Pirovano, L. 4557
Pitha, P. M. 703
Pithal, P. M. 5612
Pitra, C. 453, 2147
Pitt, R. E. 2128
Pittalwala, T. S. 4205
Pittman, R. N. 465, 1009
Pius, J. 6220
Piven', N. M. 17
Pladys, D. 1371
Plail, R. 2846
Plaimauer, B. 64
Plair, B. L. 6604
Plaisted, R. L. 4981
Plant, A. L. 5835
Plant, N. J. 760
Planta, R. J. 2991
Plaper, I. 3205
Plas, H. C. van der 6764
Plas, L. H. W. van der 1738
Plass, C. 3046, 4676
Plassat, J. L. 2909
Plattner, R. D. 4777
Platzer, E. G. 3122
Plaxton, W. C. 4609
Playne, M. J. 4381
Plaza, S. 5134, 6347
Pleban, T. 5536
Plessmann, U. 655
Plever, C. 6683
Plhak, L. 6591
Pliego, F. 5626
Plomann, M. 2859
Plunkett, G. M. 1795
Pluschke, G. 3982
Pnini-Cohen, S. 447
Pnueli, L. 4018, 4104
Podivinsky, E. 3547
Podsosonny, V. A. 5218
Podsosonnyĭ, V. A. 5218
Podyma, E. 3206-3207
Poel, J. J. van 4038
Poel, J. J. van der 3588, 4687
Poethig, S. 5877
Poetzsch, E. 1096
Poeydomenge, O. 6302
Poff, K. L. 5207
Pogna, N. E. 4727
Pogulis, R. J. 3976
Pohajdak, B. 653
Pohl, P. 1500
Pohlman, J. D. 3867, 3869
Pokorny, R. 2064, 3164
Polacco, J. C. 5230
Polacco, M. 4087
Poletti, A. 815
Polge, C. 3232
Pollak, P. 3577
Pollák, T. 5125
Pollard, J. W. 3165
Pollard, V. 861
Polle, A. 6116
Pollock, K. M. 4576
Pollock, S. 2455
Polushin, N. N. 3123
Polymeropoulos, M. H. 3667
Pommier, Y. 2340
Ponath, Y. 4077
Ponchia, G. 496
Poncz, M. 2887
Pongtongkam, P. 4282

Ponitka, A. 1565
Ponstein, A. S. 3908, 4549
Pontarotti, P. 262
Ponz, F. 3286
Poovaiah, B. W. 2960
Pope, C. E. 4798, 6604
Pope, W. F. 4333
Popescu, N. C. 374
Popescu, P. 893, 1947
Popov, A. S. 4815
Popovich, E. A. 1002
Popowich, E. A. 1002
Popp, S. 4756
Porceddu, E. 4726, 5887
Porcel, B. 53
Porras, A. 2310
Porritt, J. 1091
Porteous, D. J. 4384
Porteous, L. A. 4757
Porter, A. G. 4345
Porter, K. R. 3146
Portesi, A. 2001
Portetelle, D. 2947
Possee, R. D. 5475
Posten, C. H. 1645
Postic, D. 2036, 2823, 3885
Postlethwait, J. H. 4143
Potopal'skiĭ, A. I. 1572
Potrykus, I. 568, 1115, 1677, 2773, 3219, 4625, 4947, 4952, 5390, 6147, 6615
Pott, N. N. 4309
Potter, D. 6547
Potter, H. 4957
Potter, J. J. 1862
Potter, S. L. 5528
Potter, S. S. 1135
Potts, A. S. 1526-1527
Potts, B. M. 1445
Potts, J. F. 4692
Potts, W. K. 4055
Potz, H. 3775
Poulos, B. 71
Poulsen, C. 4639, 5820
Poulsen, G. B. 2214, 3093
Poulsen, P. 737
Pouponnot, C. 2411
Pourcel, C. 4056
Pourhosseini, A. 5621
Pournin, S. 2293
Poustka, A. 5342
Pouteau, S. 2368, 4640
Pouyssegur, J. 834, 6205
Pow, I. 411
Pow, J. D. E. 2039
Powell, A. M. 2607
Powell, B. C. 1410, 3449
Powell, D. 163
Powell, H. A. 3150
Powell, R. 1514
Powell, W. 923, 3629, 4154, 4959, 5300
Power, G. A. 2396
Power, J. B. 1004, 3190, 3726, 4280, 4808, 6638
Powers, D. A. 5435
Powers, T. O. 440
Prabhakar, G. 4349
Pradayrol, L. 3652
Pradet, A. 4903
Pradhan, S. 4105
Prakash, A. H. 4284
Prakash, S. 25, 5217, 5285
Prakash Lakshmanan 4283
Pramanik, S. K. 738, 948
Prangnell, R. 2142
Pras, N. 151, 2284
Prasad, T. K. 3793, 6709
Prashant Mishra 5440
Prat, S. 326
Pratchett, N. 4721
Prather, R. S. 511
Prats, E. 693
Pratt, L. H. 344
Preac-Mursic, V. 2249
Preece, J. E. 2108
Prehn, D. 5525
Prehn, S. 2898
Preininger, É. 4845
Preisig, O. 167
Preiss, J. 3034, 6382
Prempree, P. 5370
Prendes García, J. 3681
Prendiville, D. J. 1602
Presa, P. 4125, 6490
Presber, W. 1144
Presicce, G. A. 4872, 6047
Presnell, S. R. 6236
Presting, G. G. 6642
Preťová, A. 3861, 4285
Pretzman, C. 3885
Preuss, D. 5343
Prévôt, J. C. 6418
Price, C. M. 5678
Price, D. L. 4410
Price, D. N. 4261
Price, H. J. 2033, 4158, 4204
Price, I. M. 6738
Price, J. 611, 5473
Price, J. L. 5594
Price, R. A. 1795, 1825, 1828
Price, S. B. 1152
Prichard, R. K. 4424
Priest, F. G. 1645
Priestley, R. A. 441
Primard-Brisset, C. 2213
Primmer, C. R. 2528
Princen, H. M. G. 2991
Pring, D. R. 5916
Prinsen, E. 287
Printz, C. 1206
Printz, R. L. 4590
Prioli, A. J. 1556
Prioli, L. M. 1372
Prior, C. 2170
Prioul, J. L. 4106
Priyono 4286
Procarione, L. S. 1593
Procházka, R. 5968
Prockop, D. J. 5944, 5947
Proctor, J. T. A. 2180
Proebsting, W. M. 2263
Proenca, R. 1390
Proffitt, J. H. 5478
Proft, M. P. de 6033
Prombona, A. 302
Promé, J. C. 630, 4107
Pronovost, S. M. 1311
Prosser, D. E. 1216
Prosser, J. 949
Prosser, J. I. 2193
Prouty, K. L. 5009
Provart, N. J. 863
Provencher, L. 2503
Provost, G. S. 5505
Provot, M. 3551
Pruitt, K. D. 864, 1284, 5802
Pruitt, S. C. 368
Prunella, N. 2976
Prunkard, D. 6236
Prusa, K. J. 2169
Prusiner, S. B. 593, 2832, 3873, 4978
Pryor, A. 1181
Przyborowski, J. 6643
Pua, E. C. 1566, 4024
Puangsomlee, P. 5905
Puchta, H. 2468
Pudney, J. 4967
Pueppke, S. G. 5114
Puett, D. 4494
Puga, A. 1958
Pugh, P. A. 1535, 4240
Pugliesi, C. 2788
Pühler, A. 327, 3484-3485, 6200
Puhler, A. 4375
Puigdomènech, P. 1919, 5801
Puijenbroed, A. van 3530
Puite, K. J. 4400, 5491
Pujade-Renaud, V. 6418
Pujol, G. 3492
Pullen, J. K. 3976
Pungerčar, J. 5072
Punt, P. J. 2253
Puonti-Kaerlas, J. 1100
Pupilli, F. 2107, 5879
Purdie, K. A. 1901, 1986
Purdom, C. E. 6738
Purkerson, J. M. 4591
Purnendu Ghosh 5443
Purnhauser, L. 2651, 3738
Pursel, V. G. 2676, 2815, 4966, 5510
Pushett, D. 3241
Puska, R. 129
Pusztai, A. 1249
Putterill, J. 6551
Puupponen-Pimiä, R. 1280
Puzon, W. 5051
Qamaruddin, M. 3550, 4606
Qi, M. Q. 1466
Qi, S. Z. 144
Qi, X. F. 4300
Qi, X. L. 712
Qian, H. 5317
Qian, H. R. 402, 5917
Qian, J. 219
Qian, W. J. 461
Qian, Y. Q. 2640
Qiao, Y. M. 2783
Qin, P. C. 6610
Qin, S. X. 42
Qin, X. 3203
Qin, X. F. 5836
Qin, Y. 1863
Qiu, T. H. 3967
Qiu, Y. 5176
Qiu, Y. L. 1795, 1826
Qu, L. H. 1833
Quadt, R. 123
Quagliariello, C. 1794
Quail, P. H. 728, 1349, 1369, 4101, 4601, 5120, 5679
Quaite, F. E. 4758
Qualset, C. O. 5304
Quan, G. 6620
Quaranta, V. 5570
Quarcoo, E. 4108
Quatannens, B. 5134
Quattrocchio, F. 2469
Quellar, D. C. 2553
Quelle, F. W. 5077
Quesada, M. A. 2931, 4747, 5626
Quétier, F. 1971, 5293
Quick, J. S. 1913
Quick, W. P. 4020, 4092, 5213
Quigley, F. 720, 1807
Quijano, L. 4466
Quinlan, R. 665
Quinn, C. J. 1795, 4540
Quiñones, V. 872
Quint, A. 275
Quiros, C. F. 1444
Quivy, J. P. 950
Quon, M. J. 4759
Qvist, H. 1963
Ra, R. 1280
Raadsma, H. W. 4134
Rabbani, S. A. 6237
Rabbitts, T. H. 1235
Rabi, R. K. 3785
Rabindra, R. J. 3366
Rabinowitch, H. D. 5536, 6521
Raboy, V. 1327
Raccah, B. 116
Racchi, M. L. 3204, 4294
Rachkovskaya, R. I. 29
Rachubinski, R. A. 5747
Racie, L. A 2327
Racusen, R. H. 2620
Rada, C. 588
Rader, A. E. 700
Radetzky, R. 6644
Rading, I. M. 5280
Radionenko, M. A. 5398
Rådmark, O. 1233
Radola, B. J. 6747
Radvanyi, F. 6347
Radwan, S. S. 5441
Rae, W. 1605
Raelson, J. V. 6515
Rafalski, A. 5489
Rafalski, J. A. 2002, 3643
Raghavan, V. 328, 3567
Raghavendra, A. S. 5837
Raghothama, K. G. 3568
Ragimov, N. 842
Ragot, M. 2003
Ragot, T. 4387
Raguenez, G. 5756
Rahal, J. O. 4127
Rahe, C. H. 1776
Rahil, T. 2152
Rahman, L. 6156
Rahman, S. M. 3186, 6632
Raho, G. 4015
Rai, K. N. 6704
Raikhel, N. V. 303, 1373, 2952, 3039, 3569, 5093, 6374
Raimbault, S. 243
Raina, R. 5232, 5841
Raina, S. N. 5918
Raineri, D. M. 1108
Raineri, F. 4727
Raines, R. T. 2963
Raizada, M. 271, 2431, 6105
Raizada, R. K. 3376
Raj, N. B. K. 703, 5612
Rajagopalan, A. V. 5837
Rajagopalan, S. 2236
Rajamahendran, R. 2153
Rajan, J. 4751
Rajan, M. G. C. 3265
Rajan, T. V. 5867
Rajasekhar, V. K. 2470
Rajashekar, C. B. 5011
Rajcan-Separovic, E. 3615
Rajeevan, P. K. 3715
Rajesh Mohan 1501
Rajeshwari, R. 6703
Rajewsky, K. 614, 1743, 2859, 5006-5007, 6208
Rajnchapel-Messaï, J. 1660
Rajput, B. 5177
Raju, D. C. 4349
Raju, K. 5737
Rajwans, N. 6237
Rakar, S. 369
Rakes, J. M. 5365
Rakipov, N. G. 4918
Ralambosoa, J. 6032
Rall, G. F. 1695
Ralph, D. 3885
Ramadass, P. 1502
Ramakishana, W. 6548
Ramakrishna, S. V. 150
Ramamonjisoa, D. 5826
Raman, H. 3899
Rambaud, C. 3320
Ramesar, J. 77
Ramesh, N. 6240
Ramírez, A. 3765
Ramirez, M. I. 4057
Ramloch-Lorenz, K. 329
Ramlov, K. B. 330
Ramming, D. W. 6621
Ramsay, A. J. 4934
Ramsey, M. J. 3048
Ramshaw, I. A. 4934
Ramu, A. 1068
Ramulu, K. S. 497, 4400, 5491
Ramunno, L. 912
Ramuz, M. 2250
Ranade, S. 5275
Ranalli, P. 2547
Rando, A. 912
Rangasamy, S. R. 3764
Rangasamy, S. R. S. 3644, 4317
Ranjekar, P. K. 6548
Rao, A. 682
Rao, C. D. 4838
Rao, K. B. C. A. 4799, 6579, 6673
Rao, K. V. 6027
Rao, M. 2714
Rao, M. S. 2344
Rao, N. V. 6065
Rao, P. S. 6220
Rao, P. V. 3943
Rao, P. V. L. 6645
Rao, U. P. 3909
Rao, V. R. 2715
Rao-Arelli, A. P. 6196
Raoult, D. 2825
Rapaport, R. A. 3786
Rapoport, T. A. 2898
Rapp, J. P. 3049
Rapp, W. D. 5953
Raquin, C. 4839
Rasberry, C. 1419, 4664
Rascio, N. 5850
Rashal', I. D. 4648

Rashtchian, A. 2034, 5329
Rask, L. 1384, 1921, 2456
Raskin, I. 6014
Raskin, S. 1962
Rasmussen, J. L. 2789
Rasmussen, S. K. 1281, 4108
Rasmusson, D. 3636
Rasool, T. J. 1417, 3604
Rassoulzadegan, M. 2666
Rastan, S. 4664
Rastogi, R. 331, 2471
Rastogi, V. K. 2035
Ratet, P. 6357
Rath, D. 5371, 6675
Rathinasabapathi, B. 6419
Rathjen, P. D. 4936
Rathman, D. D. 4744
Rathus, C. 23, 1374
Ratisoontorn, P. 4282
Ratnoff, O. D. 3304, 4933
Ratterman, D. M. 5987
Ratushnyak, Ya. I. 29
Raupp, W. J. 4165
Rausch, T. 1974
Rauscher, F. J., III 5168
Raut, M. 3977
Ravelonandro, M. 116, 1725, 3124, 3372
Raventós, D. 6261
Ravi 1551, 4253
Ravindran, P. N. 3697-3698
Ravishankar, G. A. 3181
Ravnikar, M. 3205
Rawlings, N. C. 5405
Rawlins, M. 4198
Rawlinson, R. 1482
Ray, B. S. 4241
Ray, D. S. 55
Ray, P. M. 1477
Raybould, A. 6111
Rayburn, A. L. 6533-6534
Rayburn, H. 619
Rayfuse, L. M. 4701
Rayle, D. L. 5242
Raymakers, L. 3965
Raymond, M. 4427
Raymond, P. 4903
Raynal, M. 211, 1807, 3494, 4003
Rayner, J. R. 3668
Raynor, K. 197
Rayns, F. W. 3710-3711, 3741-3743
Rayos, A. A. 4867
Razdan, M. K. 4919
Razin, A. 764
Razin, S. V. 5188
Razzaque, M. A. 456
Ré, R. N. 11
Read, L. K. 1157
Read, M. S. 2765
Read, N. D. 1348, 2101
Read, S. M. 4320
Reader, S. M. 1901, 1986, 3098
Readhead, C. 3522
Ream, B. 3920
Ream, J. E. 3807
Reaney, M. J. T. 6715
Reavey, C. 6631
Reavy, B. 2833
Rebaï, A. 2004
Rebel, H. G. 5974
Reboud, X. 4361
Récipon, H. 4088
Redaelli, R. 4727
Reddington, B. D. 5131
Reddington, J. J. 1467
Reddy, A. S. 2005, 5834
Reddy, A. S. N. 2960
Reddy, D. V. R. 2586
Reddy, G. B. 163
Reddy, G. M. 3718, 6027
Reddy, G. R. 150
Reddy, J. K. 2344
Reddy, P. C. 4284
Reddy, S. V. 2768, 2978
Reddy, T. P. 2143
Redenbaugh, K. 2732
Redi, C. A. 890
Redig, P. 287
Redmer, D. A. 6694
Redmond, T. M. 5579
Redpath, S. H. 5103
Reeben, M. 3336
Reed, B. M. 498
Reed, K. C. 5344
Reed, M. A. 4784
Reed, R. R. 5081
Reed, S. M. 4109
Reed, W. L. 1191
Reen, D. J. 4370
Rees, D. 4144
Rees, S. B. 92
Rees, T. ap 5233
Reeve, H. E. 4566
Reeves, J. 934
Reeves, R. 5141
Reeves, S. A. 2254
Refsdal, A. O. 4790
Refstie, T. 6479
Regnard, J. L. 5989
Regner, F. 2846
Regy Lukose 3697
Rehemtulla, A. 2327
Rehfeldt, C. 2165, 2687, 3260
Rehling, P. 1241
Rehm, H. J. 1645
Rehman, N. 4868-4869
Reich, R. K. 4744
Reichardt, L. F. 6207
Reichelt, B. 4800
Reichenbach, H. D. 2065
Reichenberger, E. 5318
Reichling, J. 4457, 4477
Reid, D. M. 4637
Reid, H. W. 411
Reid, J. 105, 5234
Reid, J. B. 1445
Reid, K. B. M. 1219
Reik, A. 5178
Reik, W. 263, 2419, 3106, 5179
Reimann-Philipp, U. 124
Reimers, T. 530
Reinbothe, C. 332, 4110
Reinbothe, S. 332, 4110
Reineke, W. 2705
Reinhard, E. 1737, 3746, 4483, 5541
Reinherz, E. L. 2866, 3520
Reinhoud, P. 6035
Reinold, S. 1169
Reis, A. 179
Reis, L. F. L. 2292, 6214
Reis, M. G. dos 79
Reisch, B. 5531
Reisch, B. I. 14, 6574
Reiser, H. 3400
Reiser, L. 4631
Reisine, T. 197
Reiss-Bubenheim, D. 1640
Reiter, R. S. 1293, 1449
Rella, M. G. 1184, 1640, 2851, 3905
Rema, J. 3698
Remington, J. S. 4425
Reminton, L. 3402
Remmers, E. F. 1938, 3592, 4136
Remmler, J. 5549
Remy, J. S. 3100
Rémy, R. 1246
Remy, S. 4111
Ren, J. M. 5501, 5506
Ren, J. P. 5900
Renand, G. 3247
Renard, J. P. 2045
Renard, M. 2271, 6032, 6761
Renard, P. 2809
Renaudin, J. 133
Renelt, A. 1182
Renkawitz, R. 5161
Renko, M. 5072
Rennenberg, H. 6116
Rennick, D. 1743, 5043
Rennie, P. S 691
Reproduction in Domestic Animals 553
Rerie, W. G. 6303
Resende, R. de O. 1706
Reshetnikov, V. N. 4287
Resink, T. J. 2897
Rettenberger, G. 913
Rettig, J. H. 1795
Reupold-Popp, P. 3788
Reuveni, O. 2304
Reuveny, E. 2905
Revell, D. F. 1827
Reventos, J. 2225
Revilla, M. A. 4844
Rexroad, C. E., Jr. 2607, 2815
Rexroad, C., Jr. 4966
Rey, M. 6019
Rey, P. 1918
Reyaz, G. 811
Reyes, A. 2983
Reymond, F. 3942
Reynaerts, A. 2187
Reynolds, A. B. 5039
Reynolds, A. M. 2717
Reynolds, K. 582
Reynolds, L. P. 6694
Reynolds, P. H. S. 5131, 6278
Reynolds, T. L. 948, 4840, 5093
Reyrat, J. M. 171
Reyss, A. 4106
Rezanoor, H. N. 1986
Rezende Galvão, S. 5421
Rhee, B. G. 2684
Rhee, M. D. van de 3891
Rhee, S. G. 185, 5592
Rhee, S. Y. 5343
Rhode, A. 3841
Rhodes, B. B. 464, 2611
Rhodes, C. 3370
Rhodes, M. J. C. 3396, 4452, 4456, 4488
Rhodes, S. J. 816
Riazuddin, S. 6144
Ribeiro, G. 2828
Ricard, B. 4903
Ricard, F. 6503
Ricca, R. 819
Riccardi, D. 3426
Riccardi, F. 521
Rice, C. M. 752
Rice, M. 420
Rice, R. H. 2891
Rice, W. R. 2313
Rich, B. E. 591
Richard, D. 4969
Richard, J. L. 2595
Richard, M. 6304
Richards, C. A. 1133
Richards, C. M. 1422
Richards, J. S. 778, 825
Richards, K. D. 6714
Richards. W. G. 4413
Richardson, D. H. S. 610
Richardson, G. F. 1044, 2124
Richardson, J. C. 250
Richardson, L. R. 4672
Richardson, M. 1254, 3479
Richardson, M. E. 1528
Richardson, W. D. 813
Richman, A. 5907
Richter, A. 97, 3582
Richter, C. J. J. 6059
Richter, D. 2407
Richter, G. 3556
Richter, H. E. 5086
Rickords, L. F. 511
Ricquier, D. 243
Riddell, K. P. 3240
Riddell, M. G. 3240
Riddick, M. 582
Riddle, R. D. 5753
Rideau, M. 4449, 4476
Rider, C. G. 760
Rider, M. H. 1231
Ridout, M. S. 6216-6217
Ridpath, J. F. 1156
Riedel, L. 5854
Rieger, D. 2149, 5405
Riegert, P. 5573
Rieke, A. 4855
Riemenschneider, D. E. 1251
Rientjes, J. M. J. 2991
Riesmeier, J. W. 2371, 4641, 5657, 6385
Riethman, H. C. 4756
Rietveld, R. C. 3414
Rifat, S. 2887
Rifkin, D. B. 675
Rigau, J. 1919
Rigaudière, N. 664
Rigby, P. W. J. 598
Riggio, M. P. 1153
Riggs, A. D. 2032
Riggs, K. J. 5180
Rijnenberg, A. L. 3744
Rim, C. 5601
Rim, S. 4596
Rimawi, L. 5068
Rimmer, S. R. 5468
Rinchik, E. M. 6484
Rines, H. W. 2971, 4717, 6193
Rinfret, A. 817
Rinsma-Melchert, I. 4215
Risco, C. 4324
Rissler, J. 4909-4910
Risterucci, A. M. 1438, 4720, 5902
Risueño, M. C. 5229
Ritala, A. 3348
Ritchie, C. J. 3786
Ritchie, D. F. 2305
Ritchie, W. A. 2044
Ritland, C. E. 2961
Ritland, K. 2961
Rittenhouse, K. D. 3105
Ritter, C. 1164, 2841, 4159
Ritter, D. 4558
Ritzdorf, I. 4468
Ritzenthaler, C. 1726
Ritzenthaler, P. 5560
Rivard, C. J. 6086, 6095
Rivard, S. 4889
Rivard, S. R. 6263
Rivera, E. 1553
Rivera, J. 2208
Rives, M. 4180
Rivier, J. 1782
Rivière, M. 6501
Riviere, M. 86, 1394
Rivin, C. 5240
Rivkin, M. 5754
Rizzo, M. G. 2902
Ro, H. S. 3009
Roach, P. J. 183
Robaglia, C. 4074
Robalo Silva, J. 3680
Röbbelen, G. 6685
Robbins, J. 579
Robbins, K. 4492
Robbins, L. S. 818
Robbins, M. P. 5200
Robbins, T. P. 6420
Roberds, S. L. 2412
Robert, L. 2525, 5264
Robert, L. S. 2020, 2682, 3493
Robertis, E. M. de 5735
Roberts, A. B. 3513, 6213
Roberts, C. 4841
Roberts, C. T., Jr. 1777, 3954, 5181
Roberts, C. W. M. 5003
Roberts, D. R. 4080, 6620
Roberts, G. C. 6342
Roberts, J. 5456
Roberts, J. A. 3472-3473, 5698
Roberts, J. K. M. 5210
Roberts, K. 2615
Roberts, L. W. 6036
Roberts, M. 3038
Roberts, M. F. 3736, 4475
Roberts, N. J. 6020
Roberts, R. J. 951
Roberts, R. M. 961, 1522, 5160
Roberts, T. W. 3813
Robertson, A. J. 955, 6715
Robertson, B. 3371
Robertson, D. S. 2474
Robertson, H. M. 1684
Robertson, I. D. 3152
Robertson, I. S. 5428
Robertson, J. S. 5452
Robertson, L. M. 45
Robertson, M. 4931
Robey, E. 2399
Robey, P. G. 2993
Robic, A. 6580
Robins, D. J. 4488-4489
Robins, R. J. 4488, 6204
Robinson, H. L. 2207

Robinson, H. T. 2668
Robinson, J. J. 2752, 5428
Robinson, J. P. 3238, 3835
Robinson, K. 2243
Robinson, K. E. P. 4417
Robinson, N. J. 3032, 3833
Robinson, P. J. 824
Robinson, R. W. 6761
Robinson, T. J. 4334
Robinson, W. F. 1146
Robinson-Beers, K. 1888
Robitaille, L. 1844
Robl, J. M. 1049, 2058
Robson, F. 6551
Roca, A. 5872
Roca, J. 1042, 1048, 1581
Roca, W. M. 1969, 4951
Rocchi, M. 713
Roche, D. 333
Roche, J. F. 529, 2058, 3159, 4878, 4880, 6063
Roche, N. S. 6213
Roche, P. J. 1224
Rocheford, T. R. 4710, 5310, 6527
Rochelle, J. M. 908, 2420, 4692
Rocholl, M. 4642
Rochon, d'A. M. 3360
Rock, M. J. 5944
Rockabrand, D. 2381
Rockenstein, E. M. 1695
Rockhold, D. R. 6168, 6313
Roddick, D. L. 1404
Roddick, J. G. 3744
Rode, A. 4088
Rode, J. 3705
Rode-Bramanis, K. 4229
Rodellar, C. 2031
Roden, L. D. 1484
Röder, F. T. 4397
Roder, J. C. 4677, 4682, 5368, 5552
Röder, M. S. 5305
Roderick, T. H. 2510, 6481
Rodermel, S. 5919, 6391
Rodermel, S. R. 219, 4092, 5213, 5449
Rodero Franganillo, A. 4866
Rödin, J. 2456, 2679, 3570
Rodman, J. 1828
Rodolphe, F. 6526
Rodrigo, I. 739
Rodrigues, M. T. 5421
Rodrigues-Pousada, R. A. 334
Rodríguez, A. 5630
Rodriguez, A. 4143
Rodríguez, E. 4766
Rodriguez, F. 3770
Rodriguez, H. 2129
Rodriguez, I. R. 3943
Rodriguez, L. L. 3151
Rodríguez, R. 2942, 6019
Rodriguez, R. L. 1898, 5111
Rodriguez Casartelli, R. 169
Rodríguez de Sadia, C. 5425
Rodríguez-García, M. I. 6510
Rodriguez-Gil, J. E. 2240
Rodriguez-Martinez, H. 973, 1580, 2123, 2130, 5374, 6048
Rodriguez-Mendiola, M. 984
Rodriguez-Mendiola, M. A. 983
Rodríguez-Suárez, R. J. 4559
Roeckel, N. 262
Roecker, E. B. 5350
Roehrdanz, R. L. 1461
Roekel, J. S. C. van 574
Roelen, C. A. M. 5016
Roepstorff, P. 865, 5529
Roes, J. 2859
Roesler, K. R. 6305
Roessner, C. A. 3886
Roffat, C. 4814
Rogalska, S. 6021
Rogan, G. J. 3806
Roger, P. 49, 2733
Roger, T. 3978
Rogers, G. E. 776, 3449
Rogers, G. R. 1414
Rogers, H. J. 1829, 4094, 5699
Rogers, J. 1305
Rogers, J. C. 6421
Rogers, R. W. 1078
Rogers, S. M. D. 2104, 4813
Rogers, S. W. 6421
Rogerson, B. J. 3528
Roggemans, J. 467
Rogne, S. 3606, 6478
Rognli, O. A. 6688
Rognoni, G. 911
Rogowsky, P. 4177
Rogstad, S. H. 3095
Rohde, W. 346, 1802
Rohfritsch, O. 4008
Röhm, M. 5562
Rohren, E. M. 3976
Rohrer, G. A. 6491, 6504
Röhrig, H. 293, 631
Roja, G. 3386
Rojas, M. 2181
Rojas, M. R. 410, 442
Rolink, A. 4409
Rollfinke, I. K. 5122
Rollinson, D. 4423, 4770
Rollo, F. 5345
Rols, M. P. 2769
Rom, M. 3674
Romagnano, L. 5372
Romagnolo, D. 5015
Romagosa, I. 1642
Romaine, C. P. 443, 3033
Roman, T. 6238
Romani, M. 753
Romani, R. J. 1892
Romano, C. 2888
Romano, L. J. 4751
Romano, P. 753
Rombaldi, C. 2472, 4776
Rombauts, L. 5381
Rombauts, W. 652, 2984
Rømer, M. 5472
Romera, C. 1919
Romero, D. 170
Romero, M. F. 5038
Romero-Arredondo, A. 4870
Romey, G. 6228
Romm, E. 661
Rommens, C. M. T. 1375
Ron, M. 356, 1415-1416, 6451
Ronald, P. C. 5957
Ronca, A. T. M. V. 5427
Roncarolo, M. G. 5043
Rondanina, G. 753
Roninson, I. B. 5328
Ronit, K. 4383
Rønningen, K. 6244
Roodman, G. D. 2768, 2978
Rooijen, G. J. H. van 5835
Rooijen, R. J. van 1299
Roon, M. A. van 1748
Rooney, W. L. 6193
Roopenian, D. C. 1426
Roozendaal, G. van 2753
Ropke, C. 1134
Röpke, R. 2688
Ropp, K. L. 6706
Ropstad, E. 4861, 6045
Rorie, R. W. 4863, 5365, 6605-6606
Rosa, E. J. de la 699
Rosa, F. A. la 3529
Rosa, J. P. 2887
Rosahl, S. 6264, 6268
Rosati, M. 3125
Rosati, P. 2302-2303
Roschlau, K. 6496
Rose, E. A. 5341
Rose, M. 5058
Rose, S. 3269
Roselli-Rehfuss, L. 818
Rosén, B. 2796
Rosen, B. 264
Rosen, B. I. 1497
Rosen, J. M. 766, 4407
Rosen, K. M. 5754
Rosenberg, E. 3787
Rosenberg, J. 241
Rosenberg, L. A. 811-812
Rosenberg, L. E. 3447
Rosenberg, M. 3440
Rosenberger, D. 2589
Rosenblatt, J. 3845
Rosendal, S. 1474
Rosenfeld, M. G. 758, 816, 2230, 2384, 5162-5164
Rosenkrans, C. F., Jr. 4308, 5972
Rosenthal, N. 2029
Rosenthal, P. J. 4426
Roses, A. D. 3058
Rosewell, I. R. 30
Roshchenko, M. V. 4287
Rosnet, O. 5043
Ross, F. P. 2387
Ross, H. A. 4643
Ross, J. H. E. 2438
Ross, L. J. N. 86
Ross, P. F. 2595
Ross, S. R. 44
Rossant, J. 2072, 2604, 5368
Rossback, C. 5199
Rossberg, M. 5899
Rossel, H. W. 2590
Rossen, J. W. A. 5016
Rossi, G. 459
Rossi, M. 5680
Rossi, P. 819
Rossi, V. 4557, 4996
Rossignol, L. 3197, 3928, 6629
Rossignol, M. 3928, 6629
Rossini, L. 6074
Rossnagel, B. G. 1539
Rossokhatshiĭ, S. 6163
Rost, T. L. 3573
Rostami, M. 5860
Rosteck, P. R., Jr. 6344
Rotbaum, A. 2660
Roth, B. 2481
Roth, B. A. 343
Roth, E. F., Jr. 2817
Roth, G. J. 6236
Roth, J. 699
Roth, K. A. 5758
Rothbarth, K. 265
Rothe, J. 2869
Rothel, J. S. 698
Rothenberg, S. 2765
Rothenfluh, H. S. 4058
Rothermel, E. 191
Rothman, C. M. 6668
Rothnie, H. M. 5234
Rothschild, M. F. 1966, 2506, 2530, 3621, 4669, 4693, 5866
Rothstein, S. J. 331, 2471
Rothuizen, J. 4686
Rotino, G. L. 2779, 3203, 5954
Rotter, V. 1849, 5714
Rottman, F. M. 5185
Rottman, J. N. 592
Rottmann, O. 375, 6494
Rottmann, O. J. 3055
Rottmann, W. H. 2477
Rotwein, P. 5755
Rouan, D. 1714
Roué, C. 6055
Rouge, M. 3947
Rougé, P. 2472
Rougée, M. 4212
Rougeulle, C. 1419
Roukas, T. 4350
Roulet, C. 3777
Rounsley, S. D. 4018
Roupakias, D. G. 482
Rousseau, G. G. 1231
Roussel, F. 802
Roussel, G. 262
Rousselle, P. 6761
Rousset, M. 5293
Roustan, J. P. 2877, 6660
Rout, G. R. 2621, 6646
Routman, E. 2019, 6581
Roux, K. H. 660
Roux, M. G. le 692
Rouzé, P. 2368
Rowe, D. W. 37, 5740
Rowe, J. D. 3255, 3676
Rowe, L. B. 1391
Rowland, L. J. 2306, 2652, 4185, 5904
Rowland, R. E. 5934
Rowley, R. B. 1225
Roy, A. K. 828
Roy, M. K. 2789
Roy, R. J. 4039
Roy, R. P. 5507
Roy, S. C. 3720
Roy, S. K. 2653
Royer, J. C. 1436
Royo, J. 1883, 2838, 6306
Ru, B. G. 3347, 4103
Ruangvoravat, C. 3004
Ruat, M. 5073
Ruaud, J. N. 2654
Ruberti, I. 281
Rubertis, F. de 911
Rubin, C. S. 104
Rubin, E. 5508
Rubin, R. 2312
Rubin-Wilson, B. 2790
Rubini, M. 2312, 5181
Rubino, L. 2850
Rubinsky, B. 3159
Rubinstein, A. L. 3469
Rubinstein, M. 159
Rubio, F. M. 450
Ruby, C. L. 1197
Rude, T. H. 2256
Rüden, T. von 1746
Rudenko, G. N. 5838
Rudiger, W. 4621
Rudnicki, M. A. 5004
Rudolph, U. 3405
Rudy, B. 3058
Rudzish, R. V. 3045
Rueb, S. 301, 1676, 3312, 4288
Rüegg, D. 3982
Ruesink, T. 5951
Ruf, S. 5816
Ruffing, N. A. 2128
Ruffner, H. 2292
Rügenhagen, C. 1192, 4445
Rugini, E. 2105, 3314
Ruigrok, R. W. H. 1154
Ruissen, F. van 1163
Ruiz, A. M. 53
Ruíz, M. 3645
Ruiz, S. 1042
Ruiz-Lara, S. 693
Ruiz-Martinez, M. C. 3126
Ruiz Rejón, C. 732, 4560, 5041
Ruiz Rejón, M. 732, 4560, 5041
Rumberger, J. M. 5014
Rundell, A. 2767
Ruohonen-Lehto, M. 4124
Ruohonen-Lehto, M. K. 3621
Ruppert, C. 5603
Rural Advancement Foundation International 3814
Rus-Kortekaas, W. 6549
Rushmore, T. H. 820
Rushton, J. J. 2335
Russell, C. G. 3324, 3693, 4243, 4883
Russell, D. A. 3034
Russell, D. R. 442
Russell, J. A. 4958
Russell, L. B. 6484
Russell, L. D. 4970
Russell, P. T. 1579
Russell, R. J. 1959
Russell, S. H. 1293
Russell, S. N. 5045
Russell Kikkert, J. 16
Russev, G. 5033
Russo, A. F. 245
Russo, M. 2850
Russo, N. 2559
Russo, T. 5037
Russo, V. 1425, 4661, 4665, 4667, 4671, 4697
Rüther, U. 580, 5144, 5549
Rutledge, J. J. 4858
Rutter, J. L. 4740
Ruyter, D. 4687
Ruzzon, T. 753
Ryabov, E. V. 1715
Ryals, J. 1159-1160, 1184, 1274, 1640, 2851, 3905, 5528, 6194, 6317
Ryals, J. A. 114
Ryan, A. M. 896, 3056, 3071, 3598, 3616, 4688-4689, 5074, 5604-5605, 6451, 6492
Ryan, C. A. 2266, 4100
Ryan, D. P. 2129

Ryan, M. 4895
Ryazantseva, O. 2690
Rybczyński, J. J. 3206-3207
Rycke, R. de 334
Rycroft, A. N. 65
Rydström, J. 146
Ryu, D. D. Y. 1730
Ryu, I. S. 5409
Ryu, J. H. 670
Ryu, S. H. 4511, 4584
Ryu, S. R. 3722
Ryu, Y. J. 3640-3641
Rziha, H. J. 75
Saacke, R. G. 5408
Saad, F. A. 952
Saalbach, G. 2245, 5681
Saalbach, I. 2245
Saarma, M. 129, 3336
Saba-El-Leil, M. 6263
Saba-El-Leil, M. K. 4889
Sabelli, P. A. 1254
Sabhyata Bhatia 1830
Sablowski, R. W. M. 3035
Sabour, M. P. 3615
Sabour, P. 2577, 3877
Sabrah, R. E. A. 3785
Sacchi, A. 2902
Sacco, A. G. 4527
Sachan, J. K. S. 6003
Sachdev, G. P. 711
Sachleben, R. A. 4748
Sachs, D. H. 1771
Sachs, M. M. 5121, 6429
Sachse, K. 1483
Sack, R. A. 5164
Sacks, W. R. 1182
Sacristán, J. C. 5366
Sacristán, M. D. 504
Sadasivam, S. 4950
Sadka, A. 5202, 5839
Sadlack, B. 1747
Sadler, P. M. 364
Sadler, T. W. 2385
Saedler, H. 1242, 2367, 2373, 2447, 4650, 4995, 5639
Saeki, K. 451, 5367
Saeki, Y. 5075
Sáez-Vásquez, J. 3494
Safford, R. 1816
Saftic, D. 4092
Saga, H. 3200
Saga, M. 6668
Saga, Y. 3421
Sagai, T. 4059
Sagara, J. 5504
Sagare, A. P. 1022
Sagata, N. 6209
Sage, J. 2666
Sagee, O. 466
Sagi, L. 4111
Saglio, P. H. 4903
Sagné, C. 5157
Saha, B. K. 1784, 2529
Saha, S. 975, 3228, 5378
Sahai, S. 4360
Sahara, H. 6331
Sahgal, P. 4841
Sahi, S. V. 6195
Sahijram, L. 3214
Sahm, H. 1645
Sahoo, A. 2715
Sahu, N. P. 4461
Saiardi, A. 1794
Saieed, N. T. 5556-5557
Saif, L. J. 1497
Saigo, K. 4079
Sailasuta, A. 3450
Sailer, A. 5493
Sain, S. L. 6151, 6647
Saindrenan, P. 3998
Saini, S. S. 417
Saint-Ges, V. 4903
Saint Girons, I. 2823
St.-Jacques, B. 3581
St. Lezin, E. 3049
Saito, A. 403, 860, 931, 2370, 2950, 3638
Saito, H. 4443
Saito, K. 28, 394, 740, 4994, 5673
Saito, M. 3157, 6226
Saito, N. 5373
Saito, T. 705, 3445
Saito, W. 6648
Saito, Y. 5355
Saitoh, H. 2338
Saitoh, Y. 2338
Saitou, T. 1023
Sajantila, A. 947
Saji, H. 5537
Saji, M. 2582
Saji, S. 4991.
Sakagami, M. 3617
Sakaguchi, K. 661
Sakaguchi, T. 5865
Sakai, A. 490, 3222, 6009
Sakai, F. 852, 4707
Sakai, H. 3261
Sakai, K. 5046
Sakai, M. 2820
Sakai, Y. 673
Sakaki, Y 1127
Sakakibara, H. 975
Sakakura, T. 5596
Sakamoto, A. 4561
Sakamoto, K. 809, 4402, 4443, 4478, 6545
Sakamoto, M. 2927
Sakamoto, W. 3638
Sakata, J. 4518
Sakata, Y. 3554
Sakiyama, S. 6239
Sakkas, D. 509, 2066
Sakoda, T. 5608
Sakonju, I. 6609
Sakurai, A. 3213
Sakurai, M. 1226, 3464
Sakurai, T. 2061
Sala, F. 1879, 4186, 4702
Salajová, T. 3208
Salamini, F. 337, 346, 1101, 1802, 2460, 4162, 4557, 4634, 4901, 4996, 5224, 5446, 5909, 6154
Salanoubat, M. 317, 4562
Salazar, R. 5916
Sale, M. M. 1445
Saleem, M. 5128
Salehuzzaman, S. N. I. M. 2372, 6423
Salema, R. 6649
Saleque, S. 5180
Salerno, G. 3579
Salier, H. P. 5756
Salier, J. P. 4502
Salimei, E. 5434
Salinas, J. 280, 2583
Salkoff, L. 5025
Säll, T. 5280
Salmenkallio-Marttila, M. 3348
Salmeron, J. M. 5524, 5532
Salminen, M. 3459
Salmons, B. 1104, 5474
Saloheimo, M. 1280
Salomon, R. 6188
Salomonsen, J. 898, 5573
Salvado, J. C. 1200
Salvi, G. 97, 3633, 6175
Salvucci, M. E. 220, 1812
Salyers, A. A. 565
Salzman, R. A. 2720
Salzmann, J. 561
Samad, F. 241
Šamaj, J. 1543
Samal, S. K. 70
Samec, P. 3646
Samid, D. 2801
Sampaio, R. L. 5421
Sampietro, A. R. 6636
Sampson, J. 895, 2030, 6482
Šamrov, I. I. 4285
Sams, C. E. 6031
Samson, R. 2703
Samuel, A. R. 59
Samuels, D. S. 2255, 3883
Samuels, H. H. 2989
Samuelson, L. C. 6165
Samuelsson, B. 1233
Samyn, G. L. J. 499
San, L. H. 3917
San-José, M. C. 500
San Martín, R. 1099
San Miguel, P. 5629
Sanbuissho, A. 4864
Sánchez, A. 2319, 2322
Sanchez, A. J. 6602
Sánchez, E. 3264
Sanchez, E. R. 5182
Sánchez, L. 5259
Sanchez, L. 6116
Sanchez, L. M. 5789
Sanchez, R. 5609
Sánchez, R. A. 6362
Sanchez, S. 1306, 1311
Sanchez-Casas, P. 3903
Sánchez de la Hoz, P. 1269
Sánchez-Gras, M. C. 2274
Sánchez Hernández, E. P. 5445
Sánchez Tamés, R. 1054
Sandal, L. 1267
Sandal, N. N. 1267
Sandbäck, D. 5036
Sandberg, G. 19, 4114
Sandberg, K. 4683
Sandbrink, J. M. 4711
Sande-Schellekens, A. L. P. van de 2696
Sandermann, H., Jr. 1255, 3788, 4530
Sanders, K. M. 5045
Sanders, L. K. 2410
Sanders, P. 854
Sanders, P. M. 1890
Sanders, R. A. 325
Sanderson, G. M. 3971
Sanderson, M. J. 2378
Sandery, M. J. 1973
Sandgren, E. P. 1124, 3334, 5751
Sandhu, J. S. 1585
Sandip Mukhopadhyay 5487
Sandmann, G. 1729
Sandmeier, H. 1645
Sands, A. T. 2235
Sands, M. S. 1155
Sanford, J. C. 2789, 4958
SanFrancisco, S. K. 794
Sang, H. 2232
Sang, R. Z. 4242
Sangduen, N. 4282
Sänger, H. L. 5854
Sangster, M. Y. 4146
Sangwan, I. 866, 6394
Sangwan, R. S. 572, 3315, 3930
Sangwan-Norreel, B. 3315
Sangwan-Norreel, B. S. 572, 2876, 3739, 3930, 4453
Sanint, L. R. 3765
Sanjeev Kumar 1417
Sanjuan, J. 1640
Sankaran, S. 3384
Sankaranarayana Sadasivam 4950
Sankhla, D. 3209
Sankhla, N. 3209
Sano, A. 3735
Sano, H. 2179
Sano, K. 4473, 5543
Sano, T. 5319
Sansavini, S. 1710, 2191
Santa María, A. 3230
Santamaría, J. M. 2106
Santangelo, L. 2503
Santarossa, P. 6229
Santi, L. 753
Santisteban, P. 2980
Santo, G. S. 3867
Santoro, J. C. 2207
Santos, E. 2310
Santos, I. 6649
Santos, J. 1418
Santos, J. B. dos 5306
Santos, M. A. 988
Santos-Argumedo, L. 3435
Santos-Díaz, M. 6650
Santos-Díaz, M. del S. 6650
Sanwal, P. C. 508
Sanz, B. 4225, 4766, 4769
Sapko, O. A. 2878
Sappino, A. P. 2892
Šarapatka, B. 3267
Sarath, G. 4609, 5112
Sardana, R. 2444
Sarfati, J. 2581
Sarfati, P. 3652
Sarfatti, M. 5536
Sarge, K. D. 1762, 2401
Sargeant, L. S. 3591
Sarhan, F. 1080, 1245, 1616, 5675
Sari Gorla, M. 6074
Sarin, N. B. 4647
Sarindu, N. 444
Sarkar, F. H. 2413
Sarkar, G. 953, 5951
Sarkar, K. R. 5993, 6006
Sarkar, P. 1479
Sarma, K. S. 6007
Sarma, P. A. 1068
Sarmiento, U. M. 2867, 6202
Sarquis, J. I. 4632
Sarrafi, A. 3183, 5415, 6054, 6681
Sarria, R. 4951
Sarvesh, A. 2143
Sasada, H. 2047
Sasahara, T. 6023
Sasai, Y. 4043
Sasaki, E. 1226
Sasaki, H. 263, 775, 1127, 2419, 2816, 4676
Sasaki, N. 2820, 3353, 4676
Sasaki, R. 4522
Sasaki, T. 5910
Sasaki, Y. 350, 1459, 4016
Sasaki, Y. F. 4216
Sasakuma, T. 1998, 4734, 6546
Sasazuki, T. 4416
Sasser, G. 530
Sasser, G. R. 3683
Sassoli, O. 1753
Sasson, A. 3795, 6762
Sassone-Corsi, P. 779, 785
Sastry, K. N. 3056
Sathaye, S. S. 6618
Sato, F. 140, 4633
Sato, H. 501, 841, 4479, 5734
Sato, K. 1003, 2119, 2901
Sato, M. 454, 3127, 3442, 6132
Sato, N. 4525, 4644
Sato, R. 1274
Sato, T. 125, 1567, 4513, 4563, 5252, 5656, 5892
Sato, T. N. 1863
Sato, Y. 1046, 4053, 5606
Satoh, H. 5256
Satoh, M. 806
Satoh, S. 4017, 5709
Satoh, T. 3979
Satow, H. 5172
Satyanarayana, M. 4349
Sauer, N. 335, 741, 2940, 5682, 6428
Sauerwein, M. 2283, 3393
Saule, S. 5134, 6347
Saumitou-Laprade, P. 3797, 6075
Saunders, J. R. 2193, 2882
Saunders, V. A. 2193
Sautter, C. 21, 568, 4947, 5390, 6147
Savard, L. 5683
Savelkoul, P. H. M. 1503
Savidge, R. A. 483, 4842
Savinelli, E. A. 408
Savini, G. 3152
Savino, V. 4986
Savoini, G. 5434
Savolainen, O. 1435, 4718
Savolainen, R. 2057
Savon, S. 581
Savouré, A. 3933
Sawa, H. 5001, 5748
Sawada, T. 1666
Sawadogo, M. 3002
Sawai, H. 3957
Sawamura, D. 359
Sawamura, K. 4478
Sawbridge, T. I. 5235
Sawchenko, P. E. 4033, 5163
Sawyer, T. 4344
Sax, C. M. 3001
Saxena, M. C. 4923
Saxena, P. K. 2626

Saxena, R. C. 127
Saxena, S. 6651
Sayama, H. 125
Sayanova, O. V. 1831
Sayre, R. T. 3011
Scadden, D. T. 5059
Scalia, F. 2974
Scandalios, J. G. 199, 3043, 5713, 5840, 6116
Scannerini, S. 3734
Scappaticci, F. A. 3945
Scarafia, L. 3370
Scaramuzzi, R. J. 1074, 2154, 4334
Scarpa, G. M. 2107
Scarpellino, L. 586
Scarpetta, M. A. 821
Scarth, R. 3091
Scavo, L. 699
Schaal, B. A. 1972, 3095
Schachat, F. 1302
Schachermayr, G. 4989
Schachner, M. 781, 1864
Schaefer, R. L. 1640
Schaerer, S. 336
Schaewen, A. von 4001
Schäfer, E. 297, 4082, 5679, 5805, 6410
Schäfer, W. 131
Schäffner, A. R. 2544, 6275
Schaffner, D. L. 2236
Schalling, M. 5574
Schams, D. 2688, 5422
Schans, A. van der 6069, 6679
Schantz, M. L. 2966
Schantz, R. 2966
Schanz, S. 4112
Schaper, J. 5144
Schardl, C. L. 2314
Scharf, K. D. 3269
Schartl, M. 5582, 6589
Schatteman, G. 2410
Schatz, H. 5061
Schaufele, F. 5159
Schechter, N. 2896
Schecker, J. A. 4746
Schedl, A. 5950
Scheel, D. 1182, 4544
Scheele, G. A. 780
Scheff, S. 2859
Scheffler, B. 2373
Scheffler, J. A. 1656, 4363
Scheibe, R. 4001
Scheidegger, A. 6317
Scheidegger, D. 2806
Scheidt, G. 5123
Scheiner, O. 64
Scheit, K. H. 715, 3961
Scheler, C. 1626
Schell, J. 293, 506, 631, 1259, 1674, 2441, 3311, 3906
Scheller, R. H. 5567
Schenk, G. 2142
Schepers, J. 2872
Schepers, P. 1507
Scherb, B. 167
Scherer, G. F. E. 2041
Scherer, S. W. 3614
Scherrer, K. 5188, 5614
Scherthan, H. 1462, 6493
Schertz, K. F. 5271
Scheuring, C. F. 2375, 4569, 5711
Schieder, O. 1000, 2245, 4599, 6552
Schifferli, J. A. 2892
Schilham, M. W. 694
Schilke, D. 4751
Schilling, K. 45
Schillo, K. K. 4893
Schilperoort, R. A. 301, 321, 1676, 1819, 1918, 2357, 4288
Schimke, R. T. 3130
Schimmang, T. 1742
Schimpl, A. 1747
Schindler, D. 4756
Schinkel, A. H. 1748
Schipani, C. 4186
Schisa, J. A. 5477
Schlagnhaufer, B. 443, 3033
Schlake, T. 6138
Schläpfer, J. 2505
Schläppi, M. 1376, 4998, 5841
Schlarbaum, S. E. 1014
Schlee, P. 375, 6494
Schlegel, P. N. 2384
Schleif, R. 5463
Schlesier, B. 306
Schlesser, A. 516
Schlessinger, D. 719
Schleuning, W. D. 675
Schlicher, T. B. 4531
Schlöndorff, J. 186
Schlotter, F. 779
Schmelzer, C. 946
Schmelzer, E. 337, 3904
Schmid, J. 1803-1804, 4000, 5797
Schmid, M. 885, 1956
Schmid, W. 6210
Schmidt, A. 1335, 4971
Schmidt, C. 939
Schmidt, C. J. 2336
Schmidt, E. V. 6167
Schmidt, H. 4843, 5022
Schmidt, J. 631
Schmidt, J. S. 6550
Schmidt, M. 5684
Schmidt, R. 1996, 4160, 6551
Schmidt, R. J. 343, 1832, 1928
Schmidt, T. 4019
Schmidt, W. 4939
Schmidt-Rogge, T. 6552
Schmit, V. 3647
Schmitt, E. M. 3402
Schmitt, J. 2183
Schmitz, C. B. 2530, 5866, 6241
Schmitz, U. K. 228, 5634, 6016
Schmülling, T. 506, 1673, 3311, 4397
Schmutz, S. M. 6495
Schnabl, H. 1540
Schnable, P. 5094
Schnable, P. S. 2474, 6076
Schnail, J. A. 2787
Schneider, A. 4519
Schneider, B. 4480
Schneider, K. 337
Schneider, K. A. 6089
Schneider, R. A. 56
Schneider, W. J. 2331
Schneider-Maunoury, S. 2293
Schneiderbauer, A. 331, 2463
Schneikert, J. 5047
Schnieke, A. 2068, 3406
Schnitzler, D. 80
Schnitzler, P. 81
Schnorr, K. M. 5685
Schöber, S. 3071
Schock, G. 2959, 6307
Schoeber, S. 695
Schoelz, J. E. 2267
Schoen, E. D. 2014
Schoenbeck, R. A. 511
Schoenmakers, H. C. H. 2797
Schoff, P. K. 5972
Schöffl, F. 4904
Schöler, H. R. 4060
Scholte, B. J. 2757
Scholthof, H. B. 126
Schomberg, C. 5141
Schönbohm, E. 4658
Schöndorf, T. 1275
Schonemann, M. D. 758, 2384
Schönian, G. 1144
Schook, L. B. 2491, 2531, 4145, 5352, 5859
Schoon, D. 2585
Schoon, H. A. 2585
Schoonjans, K. 1319
Schoonjans, L. 3920
Schoorlemmer, J. 3530
Schopfer, K. 941
Schorle, H. 1747
Schram, A. W. 4775
Schreiber, J. H. 5477
Schreiber, S. L. 5664
Schreibmayer, W. 3430
Schreiner, C. M. 1135
Schrell, A. 2373
Schrell, S. 5639
Schrementi, J. 243
Schrick, F. N. 528, 5973
Schricker, B. R. 2685
Schripsema, J. 3706
Schröder, G. 1282, 4112, 5686
Schröder, I. 4531
Schröder, J. 1282, 4112, 5116, 5650, 5686
Schröder, M. 3904
Schröder, W. 5794, 6381
Schroeder, J. I. 3498
Schroeder, K. 2842
Schroeder, M. 5093
Schrooten, C. 3166
Schubert, I. 1462, 4184, 4755, 6567
Schubert, K. R. 2473
Schuch, M. W. 4290
Schuch, W. 3035, 3578, 6372
Schuchard, M. 5951
Schuchardt, A. 2870
Schuermann, W. H. T. 5936
Schuh, A. C. 3420
Schuhbaur, B. 1742
Schukkink, R. A. F. 1507
Schuldiner, S. 6233
Schuler, M. A. 5830
Schüller, S. 1154
Schulman, H. 4133
Schulte, S. 3451
Schulte-Kappert, E. 5817
Schultz, G. A. 2125
Schultz, J. 5508
Schultz, L. D. 1217
Schultz, R. M. 1041, 2414, 3236
Schultze, M. 3933, 6357
Schulz, B. 5920
Schulz, R. 4658
Schulze, D. 6427
Schulze, E. D. 4092
Schulze-Lefert, P. 6410
Schumann, B. 3727
Schupp, J. M. 4173
Schurmann, A. 3769
Schuster, G. 731
Schuster, W. 1283, 5096, 5124, 5842
Schütt, E. 2373
Schutz, D. N. 6695
Schütz, G. 186, 792, 5178, 5950, 6210
Schutz, M. M. 3452
Schutzbach, J. S. 5056
Schütze, K. 5346
Schwab, B. S. 3786
Schwab, M. E. 6464
Schwab, S. 438
Schwaiger, F. W. 1393
Schwaiger, W. 2497
Schwander, J. 678, 2996
Schwartz, A. 1397
Schwartz, A. L. 5016
Schwartz, D. 5714
Schwartz, D. A. 3307, 5145
Schwartz, J. C. 3977, 5073
Schwartz, N. B. 2329
Schwartz, R. J. 2235
Schwartzenberg, K. von 5488
Schwarz, F. J. 2688
Schwarz, J. J. 2332
Schwarz-Sommer, Z. 287, 4650
Schwarzacher, T. 164, 3084, 4169, 6572
Schwebel-Dugué, N. 5687
Schweiger, B. 1293
Schweitzer, P. A. 5867
Schweizer, P. 5843
Schwemmle, M. 697
Schwendiman, J. 3197
Schwenger, B. 695, 3071, 5961
Schwerin, M. 1960, 2147, 2496, 6496
Schwinn, K. E. 3547
Schwob, E. 338
Scienza, A. 5126
Sciutti, R. 3733
Scofield, S. 2487
Scofield, S. R. 3901, 6553
Scollay, R. 5721
Scolnik, P. A. 1449, 3268, 4564, 5688-5689
Scorza, R. 2540
Scott, A. G. 4955
Scott, A. I. 3886
Scott, A. M. 2511
Scott, J. A. 1703
Scott, K. 679
Scott, K. J. 1179
Scott, K. J. J. 3223
Scott, K. M. 1821, 1824, 2700
Scott, M. 593, 5086
Scott, M. L. 4932
Scott, M. P. 696
Scott, N. S. 2009, 6584
Scott, N. W. 6763
Scott, P. 4291, 6691
Scott, R. 1377, 1806, 3038, 3776, 3848
Scott, S. V. 6287
Scott, T. C. 6085
Scott, W. J., Jr. 1135
Scragg, A. H. 983-984, 2100, 3394
Screaton, G. R. 5607
Scudamore, C. L. 5428
Scully, K. M. 816
Seabra, M. C. 633, 759
Seabrook, J. E. A. 1024
Seal, B. S. 1147, 1156
Seamark, R. F. 3163, 4244, 5411
Searls, D. B. 239
Sears, E. R. 2545
Sears, R. G. 4165
Seasholtz, A. F. 1951
Seawright, J. A. 1202, 1485
Sebranek, J. G. 2169
Secchi, C. 4763
Sechnyak, A. L. 1568
Secor, G. A. 1197
Sederoff, R. R. 4157
Sedgley, M. 6575
Seeburg, P. H. 1870, 3532, 5732
Seeley, K. A. 728, 4072
Seeni, S. 3212
Seetha, K. 6704
Sefton, L. 2552
Segal, A. 2020
Segal, S. 667
Segat, D. 6229
Segeren, M. I. 3210
Segers, R. P. A. M. 65
Seguin, M. 4155, 5875
Segundo, B. S. 6261
Segura, E. L. 53
Segura, J. 1733
Segura Nieto, M. 3729
Seidah, N. G. 189
Seidel, G. E., Jr. 1534, 2068, 3239, 3272, 4870, 4879
Seidenbecher, C. 4110
Seidman, J. G. 4967
Seike, N. 451
Seino, S. 644
Seipel, K. 5833
Seitanidou, T. 2293
Seith, B. 5236, 6294
Seitz, H. U. 1732
Seizinger, B. R. 5044
Sejrsen, K. 2509
Şeker, E. 1077
Seki, R. 1127
Seki, S. 5762
Seki, T. 1608
Sekiguchi, M. 40
Sekine, M. 3022, 3028, 5623, 5812
Sekizawa, F. 4860
Sela, I. 6521
Sela-Buurlage, M. B. 3908, 4549
Selby, C. 6631
Selden, R. F. 408
Seldin, D. C. 701
Seldin, M. F. 899, 908, 2420, 2535, 3064, 4692, 6497
Seletskaya, L. D. 1557
Selig, S. 2994
Sell, C. 2312

Sellar, G. C. 1785
Sellier, P. 1661
Sellon, D. C. 5520
Selman, K. 6676
Selsing, E. 595
Selva, J. 2662
Selvakumar, A. 1227
Selvi, D. T. 3745
Seman, M. 3978
Sembdner, G. 4645
Semsei, I. 697
Sen, A. 1475
Sen, J. 2653, 4461
Sen, K. 3261
Sen, S. 5387
Sena, E. P. 3128
Senda, K. 2632
Senda, M. 221, 4646
Sendai, Y. 3979
Sendtner, M. 1744
Senecoff, J. F. 222
Senger, G. 179
Sengupta-Gopalan, C. 333
Senior, M. L. 2006
Senior, P. V. 2890
Seniuk, N. 4677
Senn, B. J. 1528
Senter, R. A. 628
Sentry, M. 6254
Senyuk, V. I. 5484
Seo, B. B. 1016
Seo, M. S. 583
Seo, W. T. 1739
Seo, Y. W. 957
Seong, H. H. 4795
Seow, H. F. 698
Seppänen, P. 129
Sepulveda, A. R. 5183
Sequeira, L. 1635
Serafini-Fracassini, D. 5990
Serbousek, D. E. 260
Serdy, M. 798
Seregi, J. 455, 3691
Seren, E. 3159, 6046
Serfling, E. 5141
Sergeev, N. I. 2608
Serghini, M. A. 1726, 4980
Serieys, H. 6698
Serikawa, T. 1952, 4680, 4695, 5254
Serin, G. 2769
Serjrsen, K. 1606
Serneels, L. 3965
Serpette, I. 5989
Serra, C. 589, 1314
Serra, E. C. 3030
Serrano, J. 699
Serrano, L. 4257
Serratosa, J. 4614
Serrero, G. 3431
Serres, R. 4835
Servadio, S. 192
Servaes, A. 5986
Sessa, G. 281, 1361
Seth, A. 253
Sethi, G. S. 4265
Sethunathan, N. 2715
Setlow, J. K. 5464
Seto, A. 3952
Setter, T. L. 1906
Severin, K. 4904
Severin, M. 467
Severini, C. 4427
Sévignac, M. 4152
Seyfert, H. M. 914, 4520
Seymour, G. B. 1378, 5646
Sgard, F. 2919
Sgarlato, G. D. 4425
Shabanowitz, J. 1931
Shabbeer, J. 829
Shabpareh, V. 3239
Shagan, T. 223
Shah, B. S. 1560
Shah, G. A. 996
Shah, R. R. 1571
Shahab, M. 2152
Shakarchi, N. H. 3137
Shakhov, A. N. 586
Shakib, A. M. 3199
Shalaby, F. 3420
Shalgi, R. 1578
Shalhevet, D. 2531, 5859
Shalom, A. 1778, 2532-2533, 4690, 6451
Shamay, A. 4966
Shamina, Z. B. 540, 2878, 3037, 4354, 6104
Shamrov, I. I. 4285
Shamsuddin, M. 972-973, 1580, 2123, 2130, 5374, 6048
Shan, S. Z. 4123
Shanafelt, A. 5043
Shand, H. 550
Shang, Z. 2415
Shani, M. 356, 4962-4963
Shankar, U. 508, 3766
Shankar, V. 711
Shantharam, S. 551
Shapira, E. 5167
Shapiro, D. 156, 4999
Sharada, K. 6007
Sharma, A. 3337, 3531, 3659
Sharma, A. K. 460, 4105, 4461
Sharma, G. C. 4832
Sharma, K. K. 4818
Sharma, M. 460, 6653
Sharma, N. 1025
Sharma, O. P. 6653
Sharma, P. 3129
Sharma, R. 4647
Sharma, R. C. 3130
Sharma, S. N. 417
Sharma, T. R. 4292
Sharma, V. K. 502
Sharoni, D. 5334
Sharova, N. V. 5486
Sharp, P. A. 3533
Sharp, P. J. 5307
Sharpe, A. G. 4183
Sharpe, A. H. 3400
Sharpe, J. A. 2237
Sharpe, P. T. 2986
Sharrock, R. A. 3042, 5679, 6257
Sharrock, S. L. 470
Shartzer, K. L. 1786
Shaul, O. 1920
Shaver, D. M. 2805
Shaw, J. E. 1174
Shaw, J. F. 1814
Shaw, L. 5916
Shaw, M. E. 3373
Shaw, M. K. 6173
Shaw, P. J. 4207
Shay, T. L. 5248
Shayakhmetov, I. F. 161
She, J. M. 462
She, J. X. 1934
She, Q. X. 339
Shea, M. J. 3407
Shear, H. L. 2817
Shearer, G. C. 5210
Sheay, W. 2770
Shedlovsky, A. 3051
Sheehy, R. E. 2459
Sheen, J. 4113
Shehu, D. 4304
Sheldon, B. L. 6471
Shellam, G. R. 4146
Shelton, D. R. 6686
Shelton, J. N. 1512, 3675, 4233
Shemesh, M. 1521, 2122
Shen, B. 402, 5317, 5917
Shen, G. 4187
Shen, G. H. 4187
Shen, G. Z. 2968
Shen, H. 1172
Shen, J. 3950
Shen, K. A. 5076
Shen, K. R. 5728
Shen, L. 5725
Shen, M. R. 5251
Shen, N. 2759
Shen, N. F. 2366
Shen, P. 5182
Shen, R. F. 4598
Shen, W. 5645
Shen, W. H. 3131
Shen, Y. 2911, 5757
Shen, Y. W. 1758
Shen, Z. 2337
Shen, Z. H. 915
Shendye, A. 2714
Sheng, J. 873
Shepherd, D. 1514
Shepherd, K. 4177
Sheppard, P. C. 691, 4407
Sheppard, P. O. 6236
Sherman, A. 5236
Sherman, J. M. 6153
Sherman, P. A. 1791
Sherwood, J. L. 446
Shetty, H. S. 3415
Shetty, S. A. 3415
Sheu, J. J. 6424
Shevade, A. 2108
Shevell, D. 733
Shevtsov, I. A. 1576
Shewmaker, C. K. 869, 6170
Shewry, P. R. 1254, 4421, 6312
Shi, A. C. 3666, 4753
Shi, J. 1142
Shi, J. B. 1036
Shi, J. N. 3855
Shi, L. 5809
Shi, M. 4169
Shi, N. Q. 1173
Shi, S. H. 1833
Shi, X. Y. 5553, 5822
Shi, Y. 5180, 5921
Shiba, T. 3458
Shibahara, S. 3000
Shibata, D. 4023, 5108
Shibata, H. 4676
Shibuya, H. 3453
Shida, M. M. 822
Shieh, M. W. 3569
Shields, J. J. 2529
Shields, R. 395, 2852
Shiff, C. J. 3142
Shiga, T. 578
Shigekawa, M. 5066
Shigematsu, Y. 140
Shigemoto, N. 6145
Shigemoto, R. 686
Shigeoka, T. 3781
Shigetani, Y. 3409
Shih, M. C. 3548, 5690, 6399
Shiina, T. 6433
Shilbuya, H. 6498
Shillito, R. D. 1678
Shima, H. 786
Shimada, H. 1239, 2927, 5113
Shimada, M. 5509
Shimada, T. 494, 1062, 2786
Shimakura, J. 1740
Shimamoto, K. 603, 858, 1368, 4090, 5818
Shimamoto, Y. 2546
Shimamura, K. 6242
Shimano, H. 5509
Shimasaki, S. 1793
Shimazaki, T. 2379, 5642
Shimizu, A. 684
Shimizu, H. 6546
Shimizu, J. 6648
Shimizu, N. 1865, 5046
Shimizu, T. 1736, 5911
Shimmer, B. P. 5752
Shimoda, N. 1111
Shimokawa, N. 3454
Shimokubo, T. 4518
Shimomura, K. 467, 3393, 4993
Shimomura, S. 5691
Shimonaka, M. 5085
Shimosaka, M. 5669
Shimura, H. 2416
Shimura, Y. 224, 2416
Shin, K. O. 3641
Shin, S. J. 1142
Shin, Y. S. 1158
Shinagawa, M. 66
Shinagawa, R. 4522
Shinbashi, N. 1059
Shinbrot, E. 2339
Shindo, N. 112
Shine, J. M., Jr. 445
Shinjyo, C. 2927
Shinki, T. 5173
Shinkura, T. 4412
Shinmyo, A. 3022, 3028, 5110-5111, 5623, 5812, 6415
Shinoda, K. 5311
Shinoda, T. 1686
Shinohara, A. 641, 3980
Shinohara, M. 6056
Shinohara, T. 3052, 3408, 5737
Shinohara, Y. 2338
Shinozaki, K. 2369, 2722, 4358, 5113, 5448, 6279
Shinozaki, Y. 1686
Shinshi, H. 4431
Shintani, D. K. 6308
Shinzawa, K. 710
Shioi, Y. 5828
Shiokawa, S. 2135
Shiota, K. 4043
Shiotani, M. 1519
Shioya, Y. 507
Shipe, E. R. 3648
Shirahata, S. 4525
Shiraishi, H. 224
Shirasawa, T. 6239
Shirasu, K. 1116
Shirataki, H. 5608
Shirley, B. W. 2374
Shiroishi, T. 4059, 4676
Shirsat, A. 6566
Shirsat, A. H. 3032, 3833
Shirvan, A. 6233
Shishlov, M. P. 503
Shishlova, A. M. 503
Shiva, V. 4376
Shizuya, H. 4386
Shlomai, J. 5169
Shlumukov, L. 3901
Shoemaker, C. B. 79
Shoemaker, R. 6513
Shoemaker, R. C. 3648
Shoffner, R. N. 6129
Shohmori, T. 5762
Shoji, H. 1867
Shomura, A. 5911
Shope, R. E. 3155
Shore, L. S. 1521, 2122
Shores, E. W. 3404
Shorrosh, B. S. 2473, 5692, 6305
Shors, S. T. 5715
Shors, T. 5715
Short, J. M. 5505
Short, S. 418-419
Short, T. W. 728
Shotkoski, F. A. 1704, 2831
Shoyama, Y. 4486
Shpigelman, E. 2338
Shreffler, D. C. 2529
Shu, G. 4728
Shu, H. H. 1157
Shuali, Y. 1768
Shull, G. E. 837
Shull, J. D. 700
Shultz, L. D. 2881, 5867
Shumaker, J. M. 4744
Shumway, S. E. 6738
Shurkhal, A. V. 4309
Shuster, S. 447
Shuto, H. 6023
Shutter, J. R. 1751, 5003
Shyamala, V. 5347
Shyur, L. F. 225
Si, H. M. 1064, 4321
Sibley, D. R. 2911, 5757
Sicher, R. C. 5449
Siculella, L. 1794
Siddiqui, M. A. Q. 5767
Sidebottom, C. 4069
Sidhu, G. S. 1585
Sidhu, J. S. 4161
Sidorenko, L. V. 6001
Siedler, H. 4989
Siedow, J. N. 3026, 5535
Siegel, D. A. 1390
Siegel, M. R. 2314
Siegel, P. B. 3053
Siemeister, G. 1234
Siemeling, U. 6200
Siemens, J. 504
Sierra, M. de la Luz 4759
Sigler, L. 166
Signer, E. N. 2534, 3072
Signer, E. R. 270, 1681
Sigrist, C. J. A. 6281
Sihachakr, D. 3197, 5986

Sihanya, B. 2199
Sijmons, P. C. 1889, 2268
Sikes, J. D. 961, 1522
Sikes, M. L. 1666
Sikorska, M. 1308
Sikorski, A. F. 1924
Silflow, C. D. 1352, 3500, 4013, 4628
Silva, H. 3016
Silva, J. A. G. da 2007
Silva, J. N. C. e 3767
Silva, L. L. da 4293
Silva, M. 2209
Silva, M. de 1529, 5410
Silva, M. J. da 4117
Silva, R. P. da 184
Silva-Rosales, L. 2263, 5533
Silván, G. 4230
Silvennoinen, O. 5077
Silver, D. 4651
Silver, L. M. 3070
Silverman, G. A. 5478
Silverman, J. A. 374, 765
Silversides, D. W. 5583
Silverthorne, J. 2435
Silvester, A. 5457
Silvia, W. J. 2155
Sim, S. J. 3395
Simard, C. 3516
Simard, J. 5609
Simcox, K. D. 5922-5923, 5952
Simeone, A. 823
Simeti, C. 4186
Simin, K. 3874
Siminovitch, K. A. 3538
Simkiss, K. 978, 1696, 6159
Šimko, I. 4289
Simmen, R. C. M. 5743
Simmler, M. C. 1419
Simmonds, J. 568, 3493
Simmons, C. 338
Simmons, D. L. 184, 825
Simmons, J. P. 2804
Simmons, L. G. 4858
Simon, A. E. 4604
Simon, C. 4801
Simon, D. 695
Simon, I. 2994
Simon, J. W. 3476
Simon, M. 2891
Simon, M. C. 5566
Simon, P. 4096
Simon, T. C. 5758
Simon-Chazottes, D. 878, 1397, 1952
Simonenko, V. K. 1568
Simonet, W. S. 594, 3871, 4061
Simonsen, M. 898
Simpson, A. J. G. 4770
Simpson, C. 2021
Simpson, C. G. 6309
Simpson, E. 42, 824, 4664
Simpson, G. G. 2021
Simpson, J. 294, 6326
Sims, J. J. 1172
Sims, K. G. 2827
Sims, P. F. G. 2737
Šimúth, J. 3349
Sin, F. Y. T. 1136, 3846
Sin, I. L. 1136
Sinclair, A. H. 5142
Sinden, R. E. 77
Sinden, S. L. 2260, 2269
Sindhu, A. S. 1569
Sinervirta, R. 585, 3336, 4968
Singer, A. 3404
Singer, D. 6175
Singer, D. S. 250
Singer, S. M. 2238
Singh, A. 5440, 5443
Singh, B. 2131
Singh, B. M. 4292
Singh, B. P. 3376
Singh, D. 4253
Singh, G. 1533
Singh, H. 79, 613, 758
Singh, H. N. 1007
Singh, J. P. 1212
Singh, K. 286, 1830, 4565
Singh, K. B. 747, 1501
Singh, M. 1076
Singh, N. 2715
Singh, N. K. 2272
Singh, R. 417, 6091
Singh, R. J. 3291, 6538
Singh, R. S. 4729
Singh, S. 4188
Singh, S. K. 5038
Singh, Z. 5994
Singla, S. K. 3162
Singla, S. L. 545
Single, F. N. 5732
Singlor, J. 5380
Singsit, C. 2787
Sinha, N. R. 340
Sinha, P. 6359
Sinibaldi, R. M. 316, 3370
Siniscalco, M. 357
Sipko, T. P. 4309
Siqueira, W. J. 3210
Siracusa, L. D. 367
Sirard, M. A. 1141, 2132, 4239, 4851, 5407
Sirito, M. 3002
Sirkka, A. 3211
Sirois, J. 825
Sirotina, A. 4415
Sisco, P. H. 3639
Sise, J. A. 891, 4147
Sisodia, S. S. 4410
Sissoef, I. 5293
Sitbon, F. 4114
Sitrit, Y. 172
Sittenfeld, A. 1098
Sivanandan, V. 1486-1487
Sivaprakasam, K. 3374
Sivaramakrishnan, S. 6703-6704
Sivolap, Yu. M. 5924
Sjakste, T. G. 4648
Sjödahl, S. 3570, 6310
Sjöström, H. 1963
Skach, W. 718
Skelly, P. 6172
Skelly, P. J. 79
Skiba, E. 3075
Skinner, D. Z. 4761
Skinner, M. K. 810
Skipper, J. K. 826
Skirvin, R. M. 2307, 2633, 4260
Skjødt, K. 5573
Skoda, R. C. 701
Skorupska, H. T. 2611, 3648, 6196
Skow, L. C. 6232
Skowronek, A. 3153
Skroch, P. 5306
Skrzyszowska, M. 6607
Skulin, V. A. 6499
Skuma, Y. 1592
Slabas, A. 4069
Slabas, A. R. 1816, 3476
Sladek, T. 2336
Slater, A. 6763
Slater, E. P. 2417
Slater, G. W. 4217
Slater, L. N. 2830
Sleper, D. A. 4195
Slesinger, P. A. 2905
Slettan, A. 1228, 6479
Slice, L. W. 104
Slightom, J. L. 1463
Slinkard, A. E. 5312
Slíva, D. 1667
Slobodyanyuk, S. Ya. 6499
Slocombe, S. P. 6311
Slocum, M. K. 1711, 3088, 5299, 5306
Slocum, R. D. 745, 6328
Slomczynska, M. 828
Slot, J. W. 5016
Slunt, H. H. 4410
Slusarenko, A. J. 2442
Ślusarkiewicz-Jarzina, A. 1565
Smailov, S. K. 4649
Smale, S. T. 666, 1761
Small, I. 5826
Small, I. D. 1246
Small, J. V. 3456
Smalle, J. 1288
Smart, C. J. 3252, 5844, 6077
Smart, M. K. 1236
Smartt, S. 1806
Smeda, R. J. 2272
Smeekens, S. 1929
Smeekens, S. C. M. 4418, 5517
Smeets, K. 1249, 5101
Smeland, T. E. 633
Smeyne, R. J. 45
Smigocki, A. 1183
Smigocki, A. C. 5803
Smiley, B. L. 1148
Smirnov, A. F. 6163
Smit, A. F. A. 702
Smit, J. J. M. 1748
Smith, A. 4931
Smith, A. E. 2716
Smith, A. G. 1237, 1379, 1931, 4570, 4936, 5239, 5628, 6414
Smith, A. J. 5065
Smith, A. M. 3545
Smith, B. P. 1484
Smith, B. S. 2168
Smith, C. 2597-2598, 3270, 5208
Smith, C. A. 6763
Smith, C. A. D. 2885
Smith, C. J. 3833, 4227
Smith, C. L. 4802, 5319
Smith, C. P. 2926
Smith, C. W. 1752, 2575
Smith, C. W. J. 6342
Smith, D. 1376
Smith, D. I. 5587
Smith, D. M. 5585
Smith, D. W. 4377, 4508
Smith, E. J. 2573, 6472
Smith, E. O. 4521
Smith, F. D. 14, 4958
Smith, G. 1865
Smith, G. D. 86
Smith, G. L. 52, 84
Smith, G. R. 3375
Smith, H. 1908
Smith, H. G. 3754
Smith, H. S. 5942
Smith, J. B. 4163
Smith, J. D. 5286
Smith, J. F. 1780, 1795, 1798, 1834, 5520
Smith, J. K. 854
Smith, J. S. 1937
Smith, J. S. C. 5925
Smith, K. D. 3132
Smith, L. C. 2206, 4310, 5375
Smith, L. M. 954, 3117, 4752
Smith, L. R. 2920
Smith, M. A. 1321, 6312
Smith, M. A. L. 491, 3721
Smith, M. E. 1199
Smith, M. K. 470
Smith, M. W. 6394
Smith, N. C. 4231
Smith, N. M. 1983
Smith, O. S. 6511
Smith, P. H. 3892, 6176
Smith, R. C. 3240
Smith, R. H. 6152
Smith, R. J. 3833
Smith, R. L. 6703
Smith, S. 827, 5880-5882, 5941, 5968
Smith, S. B. 742, 1423, 4652
Smith, S. N. 4384
Smith, T. P. 6491
Smith, W. 5479
Smith, W. L. 1203
Smithard, R. 2142
Smithies, O. 1749, 2290, 5005
Smits, M. A. 65
Smolenskaya, I. N. 3225
Smorag, Z. 4784, 6607-6608
Smouse, P. E. 1982, 5871
Smulders, M. J. M. 6549
Smutzer, G. 240
Smyslova, N. I. 2608
Smyth, D. R. 5270
Smyth, J. A. 1468
Snaith, M. R. 5333
Snape, J. W. 3852
Snijders, C. H. A. 2872
Snoddy, J. 938
Snoek, R. 691
Snow, G. A. 1510
Snowden, K. C. 2721
Snowder, G. D. 412
Snustad, D. P. 1352, 1611, 3500, 4013
Snutch, T. P. 3455
Snyder, F. F. 1775
Snyder, G. W. 6168
Snyder, S. 1211
Snyder, T. P. 2908
Soares, M. J. 822
Sobanov, Y. V. 1205
Sobieski, R. J. 1786
Sobral, B. W. S. 4189
Sobrier, M. L. 1304
Sobrino, F. 4742
Soby, S. D. 1165
Soccoro, M. P. 5420
Society of Medicinal Plant Research 6113
Sode, J. 5865
Soeiro, M. de N. C. 4771
Soeller, W. C. 5501
Soferman, O 534
Søgaard, M. 865, 3555
Sogawa, S. 454
Soh, W. Y. 4944
Sohanpal, B. 4222
Sohn, J. 595
Sohnaka, M. 1700
Solas, D. 5321
Soler, C. 6599
Soler, E. 2109, 5988
Solet, J. M. 4481
Söll, D. 338, 1259, 4007
Soll, J. 4531
Soller, M. 1778, 2532-2533, 3601-3602, 4122, 4510, 4690, 5052, 5334, 6451
Solomon, M. B. 5510
Solti, L. 455, 3692
Soltis, D. E. 1446, 1795, 1823, 1840, 4027
Soltis, P. S. 1446, 1795, 1840, 4027, 4182
Solursh, M. 5088
Solymosy, F. 5125, 6316
Somers, D. A. 2971
Somers, D. E. 3042
Somers, D. J. 6425
Somerville, C. 925, 6288, 6376, 6431
Somerville, C. R. 609
Somma, M. P. 165
Sommer, B. 5732
Sommer, H. 287, 4650, 6281
Sommer, T. 2898
Sommer-Knudsen, J. 6250
Somssich, I. E. 22, 4544, 5526
Sondahl, M. 6725
Söndahl, M. R. 1030, 2655, 3210, 4296
Sonenshein, G. E. 3529
Song, B. J. 670
Song, C. S. 828
Song, J. C. 1063
Song, K. 396
Song, L. 5068
Song, N. H. 5416
Song, P. 6652
Song, S. Y. 5078
Song, Y. C. 2008
Song, Y. W. 3878
Songstad, D. 4987
Sonko, A. 3627
Sonnenberg, E. 4592
Sonnewald, U. 355, 2361, 4020, 5209, 5668, 6171, 6369
Sonnino, A. 2656
Sood, A. 6653
Soom, A. van 966, 5376
Soong, T. W. 3455
Sooriamuthu Seeni 3212
Sopory, S. 4623
Sopory, S. K. 4105
Soreng, R. J. 5883
Sorensen, A. 3038, 3591
Sørensen, A. 3613
Sorenson, C. M. 1751
Soria, M. 3012
Soriano, P. 617, 3329, 3923
Sorimachi, H. 5610

Sorkhoh, N. A. 5441
Sorkin, B. C. 2418
Sorrells, M. 3636
Sorrells, M. E. 2007, 2538, 5261, 5305, 5308
Sorrentino, V. 1312
Sosnovskaya, T. F. 4287
Sossountazov, L. 2090
Sotomaru, Y. 1046, 4860
Sotta, B. 458, 2213, 5983
Souciet, G. 5826
Souer, E. 2363
Soukup, V. G. 3740
Soulillou, J. P. 3974
Souq, F. 2876
Southerling, T. E. 2888
Southgate, V. R. 4770
Soutschek, E. 2249
Souvré, A. 2781, 6660
Souza, A. E. 1157
Souza, L. de 3538
Souza, L. M. 1603
Souza, S. de 1655
Sovani, S. 4886
Sow, R. S. 4662
Špacapan, A. 3205
Spagnoli, R. 4481
Spaink, H. 1640
Spaink, H. P. 630
Spampinato, C. P. 4599
Spangenberg, G. 3219, 4952, 5116
Spanje, M. van 1365
Spano, A. J. 1931
Sparks, A. E. T. 3324, 3693, 4243, 4883
Sparrow, D. H. B. 4318
Sparvoli, E. 4828
Sparvoli, F. 1710, 5126
Spathas, D. H. 3669
Specht, J. E. 4178
Speck, N. A. 2343
Speicher, M. R. 4756
Speirs, J. 4953, 6284
Spelsberg, T. C. 5951
Spena, A. 287
Spencer, A. 3396
Spencer, D. 2095, 6146
Spencer, D. F. 1248, 6520
Spencer, G. S. G. 3769
Spencer, T. M. 3344
Spengler, D. 3532
Speranza, S. 2617
Spicer, L. J. 1602
Spiegelman, B. M. 44, 154, 3003
Spielman, W. S. 1203
Spielmann, A. 5701
Spielvogel, H. 179
Spier, R. E. 5459
Spies, T. 3057
Spike, C. 5309
Spindler, L. H. 2638
Spindler, S. R. 5143
Spiropoulou, C. F. 3151
Spitzer, A. 4236
Spivak, C. E. 3460
Spivey, R. 2957
Splett, R. R. 2330
Splitter, G. A. 3946
Splittstoesser, W. E. 3730, 4274
Spooner, D. M. 2550
Spooner, P. 4222
Sporn, M. B. 3513, 6213
Sporns, P. 6591
Sprecher, C. A. 6236
Spreitzer, R. J. 1380
Sprengel, R. 2321, 5732
Sprenger, G. 1645
Springer, P. S. 3013
Sprinzl, M. 754
Spronk, B. A. 4418
Spurr, N. 3135, 3292
Squires, E. J. 3777, 6082
Squires, E. L. 3239, 4241, 4879
Srebrow, A. 3533
Sreedhar, D. 4258
Sreenah, H. L. 6015
Srianan, W. 5380
Srikanth, N. S. 3945
Srinivasan, C. 354, 2793
Srinivasan, R. 5845
Sriskandarajah, S. 4953
Srivastava, K. 5336
Srivastava, K. M. 3376
Srivastava, V. 3316
St-Arnaud, R. 3534
St-Jacques, B. 5725
Stace, C. 5921
Stace, C. A. 1875
Stace-Smith, R. 2040, 2587
Stacey, A. 3406
Stacey, G. 631, 1640
Staden, J. van 2083-2084, 2087, 4396
Stadler, R. 741, 6428
Stadnyk, A. W. 1148
Staehelin, L. A. 1819
Staels, B. 1319
Stafford, A. 984
Stafford, K. C., III 3147
Stagg, D. A. 6173
Stahl, B. 4084
Staiano-Coico, L. 2568, 2744
Staiger, C. 867
Staiger, C. J. 743, 4077
Staiger, D. 744, 5107, 5846
Stains, J. P. 6293
Stair, D. W. 4813
Stair, E. L. 1496
Stålberg, K. 1921
Stalker, D. M. 6170
Stalker, H. T. 3635
Stallard, L. C. 3053
Stallings, R. L. 5956
Stamatoyannopoulos, G. 43, 4972
Stanca, A. M. 2001
Standke, G. J. R. 5184
Stanek, J. 6224
Stanford, A. C. 1922
Stange, G. 258
Stangl, H. 2315
Stanilova, M. I. 6024
Stanley, J. 1682
Stanley, L. 36
Stanley, L. A. 2235
Staples, L. D. 3245
Stapleton, A. 6313
Stapleton, A. E. 5962, 6426
Stapleton, D. D. 11
Stapleton, G. 165
Stark, D. M. 3034
Stark, G. 4040
Stark, K. L. 3407
Starke, H. 4736
Starke, J. 6264
Starr, L. 5570
Starrett, D. A. 1923
Stas, L. 3965
Stasio, L. di 1070
Staskawicz, B. J. 113, 1983, 1999, 5532
Stattmann, M. 2798
Staub, J. E. 3815
Staub, J. M. 341, 3535
Stavely, J. R. 6182
Staveren, M. J. van 2025
Stayton, M. M. 3427
Stea, A. 3455
Stec, A. 924, 1978
Stecca, K. L. 1293, 6272
Steeg, H. van 2917
Steel, D. M. 4384
Steel, M. A. 4760
Steele, C. L. 6573
Steele, D. 1088
Steele, E. J. 4058
Steele, J. L. 1120
Steele, M. R. 3591, 5248
Steen, R. G. 3050
Steenkamp, J. 6582
Stefaneanu, L. 3780
Stefaniak, B. 5399
Stefanov, I. 3571
Steffen, P. 3073
Steffenson, B. J. 6186
Steggles, A. W. 783, 5571
Stehelin, D. 5134
Steichen, J. C. 2171
Stein, A. 974, 2660, 5166
Stein, C. A. 6174
Stein, H. H. 5437
Stein, L. D. 3050
Stein, R. 1851, 3531, 6345
Stein, S. A. 4494
Stein, W. D. 2286
Stein-Stefani, J. 5377
Steinberg, M. 2569, 2744
Steinberg, S. 754
Steiner, C. 5161
Steiner, D. F. 3954
Steiner, W. 1624
Steiner-Mordoch, S. 6233
Steingrímsson, E. 34
Steinhauer, L. 2785
Steinhoff, U. 6214
Steinkellner, H. 2846
Steinmayr, M. 4650
Steinmetz, M. 2869, 5550
Steirteghem, A. C. van 1516, 3682
Stekelenburg-Hamers, A. E. P. van 2609, 5974
Stella, E. 2976
Stellflug, J. N. 3770
Stelly, D. M. 4158
Stelwagen, K. 2689
Stelzner, M. 2926
Stenbaek, E. 65
Stenn, K. 589
Stephens, D. M. 1478
Stephenson, J. R. 3887
Stepkowski, T. 170
Steponkus, P. L. 2128
Sterling, L. G. 3280
Stermer, B. 1332
Stern, C. D. 5735
Stern, D. B. 5953
Stern-Bach, Y. 6233
Sternberg, N. L. 3057
Stet, R. J. M. 653
Steveninck, R. F. M. van 2102
Stevens, A. M. 4497
Stevens, C. J. 6084
Stevens, G. E. M. 813
Stevens, J. 1961
Stevens, L. H. 1741, 4482
Stevens, T. A. 1420
Stevenson, B. J. 4384
Stevenson, L. A. 4767
Stevenson, T. W. 2349, 2944
Steverink, M. H. A. 3166
Stewart, A. F. 5178
Stewart, A. N. V. 4780
Stewart, C. B. 2339
Stewart, C. R. 3793, 6709
Stewart, T. 4492
Stewart, V. 621
Stice, S. L. 1530, 4237, 4787, 6677
Sticklen, M. 6725
Sticklen, M. B. 127, 354, 1675, 2793
Stieger, B. 2325
Stiekema, W. J. 1365, 3361, 3368, 3910, 4162, 4630, 6726
Stieve, S. M. 2308
Stiévenart, M. 2922, 4593
Stiff, C. M. 576
Stimart, D. P. 2308
Stinard, P. S. 2474
Stinson, J. 1159
Stintzi, A. 4021
Stirling, J. L. 637
Stitt, M. 4020, 4092, 5209, 6427
Stobart, A. K. 6312
Stobbs, L. 3257-3258
Stockhaus, J. 309
Stöckigt, J. 3919, 4829
Stockinger, E. J. 5693
Stoehr, M. U. 4729
Stoehr, P. J. 752
Stoffel, W. 1787, 3451
Stoffels, A. 321
Stoianoff, N. 3281
Stojakowska, A. 4467
Stokes, C. R. 1145
Stolz, J. 5682, 6428
Stone, R. T. 4119
Stone, V. 2241
Stone-Marschat, M. 3153
Stoop, J. M. H. 6025
Stoppelaar, J. M. de 4208
Storb, U. 2865, 5726
Storchová, H. 6422
Storey, K. G. 5735
Stork, P. J. S. 5601
Storlie, E. W. 3649
Storm, E. E. 5257
Storms, D. H. 5576
Stornaiuolo, A. 823
Storti, E. 4186, 4990
Stotler, C. J. 4740
Stott, M. L. 936
Stougaard, J. 330, 339, 560
Stougaard, P. 3129
Stover, D. M. 3001
Støvlbaek, J. 6470
Stoyanova, V. 1314
Straatman, K. 4876
Strabala, T. J. 5222
Stradioli, G. 4884
Straeten, D. van der 334
Strähle, U. 266, 4218
Stranzinger, G. 921, 2505, 3073
Strasser, J. E. 6233
Strasser, P. 3456
Strassmann, J. E. 2553
Stratford, R. 2852
Stratford-Perricaudet, L. 2766
Straus, N. A. 2961
Strauss, S. H. 1795, 3858, 5683
Stravopodis, D. 5189
Strayer, D. S. 5611
Streit, W. 5562
Strewler, G. J. 5028
Strezoska, Z. 938
Stricker, P. R. 1602
Strickland, S. 4413
Stricklin, W. R. 1102
Stringfellow, D. A. 3240
Strobeck, C. 2895, 4529
Strober, W. 1750
Strojný, L. 421, 1506
Strommer, J. 1257, 1464, 1617, 1640
Strömqvist, M. 4408
Strooper, B. de 3965
Strous, G. J. 5016
Strubel, N. A. 2921
Struck, D. K. 65
Struck, F. 4618
Štrukelj, B. 5072
Stuart, K. 1148
Stuart, K. D. 1157
Stubbings, R. B. 6666
Stubbs, L. J. 805
Stuber, C. W. 3639
Stuhlemmer, U. 4483
Stukenbrok, H. A. 2231
Stumpf, T. T. 511, 2664, 4855, 5404
Sturm, A. 329, 1799, 5981, 6323
Stutz, E. 5701
Stutz, J. C. 4822
Stuvé, L. L. 5759
Stymne, S. 5545
Stynen, D. 2581
Su, C. Z. 4429
Su, L. K. 366
Su, X. 2517-2519
Su, X. H. 3377
Su, Y. 703, 5612
Suardi, M. L. 4294
Suárez, R. 995
Subbaiah, C. C. 6429
Šubová, D. 6012
Subrahmanyam, N. C. 6703
Subramaniam, A. 579
Subramaniam, J. 2473
Subramaniam, R. 298
Subramanian, A. R. 302, 868
Subramanian, R. 6087
Succi, G. 5436
Sucharczuk, A. 4425
Suda, T. 4149, 5050, 5173
Sudha, C. G. 3212
Südhof, T. C. 267, 759, 6160
Sudo, T. 4416
Sudomoina, M. 892
Sue, N. 5911

Suematsu, H. 707
Suen, C. S. 3536
Sueoka, N. 5150
Sugama, K. 181
Sugama, T. 5147
Sugamura, K. 3962
Sugane, K. 4979
Sugano, H. 40
Sugawara, K. 1059
Sughroue, J. R. 5310
Sugimoto, C. 1504, 3884
Sugimoto, K. 2763, 4991
Sugimoto, S. 3779
Sugimoto, T. 2913, 4023
Sugimoto, Y. 194, 1841, 3523, 4484, 5067
Sugimura, H. 4582
Sugimura, K. 583
Sugimura, T. 786
Sugimura, Y. 1573
Sugino, H. 4676
Sugita, M. 1262, 2962, 3480
Sugita, Y. 5734
Sugiura, A. 1027
Sugiura, H. 6026
Sugiura, M. 1262, 2962, 3480, 5238, 6320, 6395
Sugiyama, F. 583, 3338
Sugiyama, M. 6661
Sugiyama, Y. 3338
Suh, D. Y. 3762
Suh, H. S. 3762
Suh, P. G. 4511, 4584
Suh, S. C. 4115
Suh, T. K. 4868-4869
Suh, Y. B. 4566
Suharsono, S. 5769
Suhasini, K. 1022
Sui, M. J. 4894
Suijkerbuijk, R. F. 4208
Sujata, V. 6704
Sujatha, M. 4295
Suka, N. 2338
Sukhapinda, K. 2790
Sukopp, H. 1619
Sukopp, U. 1619
Sukovich, D. A. 829
Sul, H. S. 809
Sulaiman, I. M. 1026, 5400
Sulli, C. 1835
Sullivan, B. E. 245
Sullivan, C. F. 1570
Sullivan, C. V. 6066
Sullivan, E. J. 5321
Sullivan, J. A. 2180, 6658
Sullivan, M. L. 3572, 4567
Sullivan, N. 4796
Sullivan, P. M. 1320
Sullivan, R. 3004
Sulmont, G. 1010
Sültmann, H. 1229
Suman Sahai 4360
Sumi-Ichinose, C. 2916
Sumita, K. 704, 3688
Sumitani, K. 5996
Sumitomo, S. 705, 3445
Summerfelt, K. R. 325
Sumner, A. T. 4914
Sumner, I. G. 1827
Sun, A. 3426
Sun, A. M. 3308
Sun, B. L. 3866
Sun, C. M. 4313
Sun, C. R. 232
Sun, F. J. 5411
Sun, G. Z. 5553
Sun, H. S. 376, 4691, 6500
Sun, L. 5868
Sun, L. H. 1759
Sun, Q. 5185
Sun, S. 4979
Sun, S. S. M. 1683
Sun, S. W. 6442
Sun, T. T. 3616, 4689, 5194, 5604-5605
Sun, Y. 2570
Sun, Y. M. 4148
Sun, Z. X. 1064, 4321
Sundberg, B. 6712
Sundberg, E. 2458, 4198, 5905, 6558
Sunde, A. 3597
Sunden, S. L. F. 4119
Sunderland, S. J. 4878
Sundick, R. S. 5587
Sundt, T. M., III 1771
Sung, A. M. 706
Sung, H. C. 670
Sung, K. I. 2684
Sunseri, F. 5954
Suntio, T. M. 6314
Sunyasootcharee, B. 3450
Supp, D. M. 1135
Supplizi, A. V. 4884
Suprasanna, P. 6027
Suputtitada, S. 4282
Surani, A. 263
Surani, M. A. 775, 2419, 2804, 4036, 5186
Suresh, J. 5890
Sureshkumar, D. S. 1571
Surinder Singh 5694
Šurlan-Momirović, G. 164
Surti, G. 5636
Sushama Borgaonkar 3265-3266
Susko-Parrish, J. L. 4858
Suslov, O. N. 5040
Suslow, T. 1168, 4432
Süss, R. 2623
Šuštar, J. 6022
Susulic, V. S. 3333
Sutcliffe, J. S. 3936
Sutherland, B. M. 4758
Sutherland, J. C. 4758
Sutliff, T. D. 2475
Suto, N. 4522
Sutor, R. 1737, 3746
Sutter, E. G. 6028
Sutton, C. A. 1284, 5802, 6298
Sutton, F. 5695
Sutton, G. 755
Suzow, J. 5760
Suzuki, A. 5709
Suzuki, H. 3059, 3213, 4137
Suzuki, J. 2713
Suzuki, K. 707, 3458, 5610
Suzuki, M. 50, 120, 1403, 4582, 6315
Suzuki, N. 6231
Suzuki, O. 1531
Suzuki, R. 3618
Suzuki, S. 3052, 3619, 4856
Suzuki, T. 531, 841, 975, 1532, 2126, 3167, 3228, 3747, 4715, 5378, 5429, 5971, 6601, 6609
Suzuki, Y. 707, 3457, 5963
Svab, Z. 2211
Švantnerová, Z. 6057
Svensson, B. 865, 3555, 5847
Svidchenko, A. I. 1572
Svinarich, D. M. 5955
Svirshchevskaya, A. M. 4322
Svoboda, M. 2922, 4593
Svoboda, P. K. 4463
Swain, A. 767
Swaminathan, B. 2830
Swaminathan, M. S. 2, 556
Swamy, R. D. 3214
Swanepoel, R. 3138
Swann, E. C. 5348
Swanson, J. C. 1102
Swanson, W. F. 2129
Swarbrick, P. A. 2502, 3589
Swaroop, A. 1933
Swartz, D. A. 247
Sweeney, G. E. 1207
Sweeney, P. M. 6100
Sweere, J. A. 218
Swennen, R. 3202, 4111, 5397
Swennen, R. L. 5283
Swensen, S. M. 1795
Swenson, S. L. 1189
Swenson, T. S. 2155
Swinburne, J. 2458, 5905
Swinburne, J. E. 4198
Swinhoe, R. 3476
Switzerland, Swiss Societies for Experimental Biology 3288
Swogger, G., Jr. 549
Swords, K. M. M. 1819
Syi, J. L. 3110
Sylvester, I. 4060
Symonds, H. S. 2239
Symonds, J. E. 1136, 3846
Symons, D. B. A. 648
Syōno, K. 5623, 5641, 6267
Sypherd, P. S. 2824
Sytsma, K. J. 1795-1796, 1828, 6247
Syvänen, A. C. 947
Szabados, L. 4651
Szabó, V. 1999, 3901, 4716
Szakács-Dobozi, M. 5856
Szalai, G. 1230
Szaro, T. 1821
Szathmáry, E. 5848
Szczyglowski, K. 1383, 4651
Sze, H. 5987
Szécsi, J. 293, 3996, 6357
Széll, A. 4803
Széll, A. Z. 6697
Szewc-McFadden, A. K. 5900
Szilágyi, L. 4896
Szkukálek, A. 6316
Szmidt, A. 3089
Szmidt, A. E. 5929
Szöke, É. 2282
Szopa, J. 1924
Szpired, C. 3062
Szpirer, C. 919, 1319, 1394, 1965, 6501
Szpirer, J. 1319, 1394, 1965, 3062, 6501
Szybalski, W. 6583
't Hart, H. 4711
Tabachnik, M. 1768
Tabaeizadeh, Z. 3471
Tabak, L. A. 5578
Tabak, L. M. 1216
Tabata, M. 1734, 1740, 3752, 4447, 4479, 4485, 4487, 4819
Tabata, T. 6226
Tabe, L. M. 4976, 6146
Tabib, Y. 534
Tabin, C. 5753
Tabira, Y. 4470
Taborn, G. U. 6598
Taboulet, J. 5060
Tabuchi, A. 2340
Tachikawa, S. 2126, 5971, 6601
Tachikawa, Y. 1023
Tada, N. 454, 6132
Tada, S. 6317
Tada, Y. 860, 5829
Tadir, Y. 974, 1050
Tadokoro, F. 6716
Tae, H. J. 5187
Tafuri, S. R. 830
Tagawa, M. 6239
Tagle, D. A. 6586
Tagliani, L. A. 2437
Tagu, D. 1919
Taguchi, R. 707
Taguchi, T. 916, 4402
Tahara, M. 6029
Tahara, Y. 472
Tai, H. Y. 3495
Tai, I. T. 3308
Taichman, L. B. 3325
Taillon-Miller, P. 3101
Tainturier, D. 1594
Taira, H. 6290
Taira, M. 5613, 5613
Taira, N. 6234
Tait, A. 1943
Tait, R. C. 668
Tajik, P. 2133, 4871
Tajima, A. 596
Tajima, F. 4523, 6318
Takács, I. 3215
Takács, L. 661
Takada, S. 3407
Takada, Y. 5051
Takagi, M. 975, 1532, 3228, 5378, 6601, 6609
Takagi, N. 4676
Takahama, U. 3750
Takahara, J. 3127
Takahashi, A. 1130
Takahashi, J. S. 4694, 6346
Takahashi, K. 1003
Takahashi, M. 1871, 2050, 3458, 4563, 5379
Takahashi, N. 1867, 3514, 3612, 4594
Takahashi, S. 583, 2645, 2762, 2768
Takahashi, T. 1735, 2134, 4149, 5849
Takahashi, Y. 1111, 1130, 3023, 3619, 4245, 4867
Takahasi, T. 4860
Takahata, N. 2923
Takahata, Y. 2672
Takai, Y. 5608
Takaiwa, F. 2479
Takakura, R. 976
Takamiya, K. I. 5828
Takamura, M. 1062
Takamure, I. 4496
Takanami, Y. 120, 1727
Takano, H. 2056, 6088, 6215
Takano, M. 3022, 3028, 5110, 5812, 6415
Takano, T. 734, 5898, 5913
Takao, N. 4460
Takaoka. K. 2906
Takata, Y. 674
Takatsu, K. 2881
Takatsuto, S. 3213
Takayama, S. 4346, 5709
Takechi, H. 1213, 1866
Takeda, G. 734, 4708, 5898, 5913
Takeda, H. 620, 3537
Takeda, J. 197, 644
Takeda, K. 4487
Takeda, M. 2695
Takeda, N. 3409, 3421, 6209
Takeda, S. 4524
Takehara, Y. 6678
Takei, K. 6160
Takeichi, M. 6242
Takekura, H. 6215
Takemori, N. 5311
Takemoto, T. 2659
Takemoto, Y. 808, 3515
Takemura, R. 259
Takenaka, A. 5970
Takenaka, M. 5020
Takeshima, H. 3511, 3525, 6215
Takeshita, N. 5172
Takeshita, S. 708
Takeshita, T. 3962
Taketani, S. 5590, 5734
Taketo, M. 2535
Takeuchi, H. 4568
Takeuchi, K. 2339, 3934, 4594
Takeuchi, M. 622
Takeuchi, T. 997, 4139, 5542
Takeuchi, Y. 1894, 2359
Takeyasu, K. 709
Takezaki, N. 6318
Takezawa, D. 2960
Takezawa, R. 710
Taki, S. 5006
Takiguchi, M. 793
Takimoto, E. 583
Takita-Sonoda, Y. 143
Takuma, Y. 4781
Takumi, S. 1447
Takvorian, A. 1893
Tal, M. 2309
Talbert, L. E. 3649, 4190
Talbot, W. S. 4143
Taleisnik, E. 6102
Talianidis, I. 5158
Talke-Messerer, C. 297, 4642
Tall, A. 2226
Tallman, G. 4841
Tam, K. B. 46
Tam, P. P. L. 3005
Tamai, T. 4525
Tamai, Y. 3515
Tamanini, A. 1314
Tamemoto, H. 6209
Tamir, H. 651
Tammen, I. 5961
Tammisola, J. 927
Tampion, J. 4444
Tampion, M. D. 4444

Tamura, H. O. 707
Tamura, K. 4595
Tamura, M. 1027
Tamura, T. 704, 3444, 5069
Tamura, Y. 5911
Tan, J. A. 2396
Tan, J. H. 6610
Tan, L. L. 4242
Tan, S. 711
Tan, S. S. 3005, 4403
Tanabe, T. 5606
Tanabe, T. Y. 4885
Tanaka, C. K. 5654
Tanaka, H. 2711, 4486
Tanaka, I. 20
Tanaka, K. 807, 1239, 1860, 2763, 3444, 3687, 3875, 4561, 5069, 5537-5538, 6068, 6116, 6291
Tanaka, M. 1504, 3884, 4149, 4582, 5807
Tanaka, N. 5546, 6212
Tanaka, R. 5828, 6292
Tanaka, S. 1003, 1740, 4447, 4479, 4819
Tanaka, T. 3968, 4491, 4516
Tanaka, Y. 198, 1273, 1808, 2944, 4617
Tandon, S. 1085
Taneja, M. 1533
Taneja, R. 2287
Taneja, V. K. 508, 3766
Tanemura, K. 757
Tang, B. L. 712
Tang, H. V. 5916
Tang, K. 396, 4739, 4973
Tang, T. 88, 108
Tang, T. K. 46
Tang, W. W. 3510
Tang, X. X. 3981
Tang, X. Y. 3496, 5696
Tanhuanpää, P. K. 5926
Tani, M. 4487
Tanida, I. 6430, 6447
Taniguchi, M. 3424
Taniguchi, N. 3458
Taniguchi, S. 2998
Taniguchi, T. 2903, 4999, 6212
Taniguchi, Y. 780, 831
Tanimoto, E. Y. 3573
Tanimoto, K. 4595
Tanizawa, A. 2340
Tanksley, S. 1175
Tanksley, S. D. 1429, 1450, 2007, 2011, 2035, 2538-2539, 2551, 2957, 4153, 4194, 4197, 4699, 4981, 5261, 5305, 5314
Tanner, B. 193
Tanner, G. J. 2638, 3319
Tanner, W. 335
Tanno, H. 1059
Tanoue, H. 5927
Tanowitz, H. B. 1705
Tanphaichitr, N. 5412
Tantasuparak, W. 5380
Tantravahi, U. 1129
Tanzarella, O. A. 4726
Tao, B. Y. 559
Tao, J. 128
Tao, R. 1027
Tao, W. K. 1292
Taoka, M. 5078
Tapadia, M. G. 3659
Tapley, P. 255
Taramino, G. 2549, 5523, 5914
Taranin, A. V. 685
Tarasov, V. A. 389
Tarchini, R. 2549, 5523, 5914
Tardivel-Lacombe, J. 3977, 5073
Targa, F. R. 5188, 5614
Tarín, J. J. 2067
Tarmizi, A. H. 1028
Tarr, S. F. 4241
Tarrazo, A. R. 4844
Tarvis, M. 1238
Taryln, N. 3577
Tashman, N. B. 789
Tastenoy, M. 2922, 4593
Tatake, R. J. 832
Tate, P. H. 833
Tateyama, S. 3450, 5860
Tatham, A. S. 4421
Tatlioglu, T. 3775
Tatsuguchi, K. 740
Tatsumi, Y. 2294
Taubman, M. B. 5019
Taurite, Z. R. 4648
Tavladoraki, P. 2853
Tawfik, M. S. 1524
Taxman, D. J. 566
Taylor, B. 1799
Taylor, B. A. 1962, 6476
Taylor, B. H. 1465, 2375, 4569, 5286, 5711
Taylor, C. 4177
Taylor, C. B. 2963, 3031
Taylor, C. G. 2849
Taylor, D. C. 4419
Taylor, E. B. 880
Taylor, E. R. 5697
Taylor, I. E. P. 4080
Taylor, J. A. 2584
Taylor, J. E. 3472-3473, 5698
Taylor, J. M. 594, 3871, 4061
Taylor, J. W. 5348
Taylor, L. 4058
Taylor, L. P. 3577
Taylor, M. A. 742, 4652
Taylor, M. A. J. 1827
Taylor, M. W. 5551
Taylor, N. A. 4494
Taylor, P. 799
Taylor, P. W. J. 1029, 2110
Taylor, R. J. 1197
Taylor, S. 3871
Taylor, S. I. 4759
Tchesnokov, V. 249
Te Kronnie, G. 6343
Teague, L. D. 6695
Teale, A. J. 3600, 3618, 6451, 6467, 6475
Teale, J. M. 1868
Teater, B. D. 3816
Tebbets, J. S. 4983
Tebbutt, S. 4094
Tebbutt, S. J. 1285, 5699
Techakumphu, M. 5380
Tedder, T. F. 2921, 4141
Teeffelen, H. A. A. M. van 3540
Teeri, T. H. 129, 3348, 6314
Tegegne, A. 4886
Teichmann, T. 5700
Teisinger, J. 1855
Teissié, J. 2769
Teitelbaum, S. L. 2229, 2387
Teixeira, J. B. 1030, 4296
Teixeira, S. L. 4293
Teixeira de Mattos, M. J. 1645
Teixeira Rodrigues, M. 5421
Tel-Or, S. 5175
Telenius, H. 179, 4153
Tempé, J. 296
Tempelaar, M. J. 2795
Tempelman, R. J. 4804
Tempest, D. W. 1645
Temple, S. J. 333
Templeton, J. W. 662, 2893
Tempst, P. 634
Ten Lohuis, M. 5225
Ten Lohuis, M. R. 3116
Teng, C. T. 3521
Teng, J. 2424
Teng, W. L. 1079
Tenhunen, J. 3459
Tennyson, V. M. 2981
Teo, C. K. H. 6030
Tepfer, D. 2784, 3392
Tepfer, M. 606, 1633
Teplá, O. 4307
Tepper, R. I. 591
Tepperman, J. M. 728, 6201
Ter Brugge, J. 3191
Terachi, T. 5432
Terada, M. 4402
Terada, R. 1368
Terada, T. 5106
Teramoto, H. 3036, 6292
Teraoka, H. 671
Terauchi, R. 935
Terlouw, S. L. 511, 2664, 4855, 5404
Termignoni, R. R. 3196
Ternovsky, D. V. 2043
Ternovsky, Y. G. 2043
Terragna, C. 3204
Terrell, E. E. 1432
Terryn, N. 2476
Terui, Y. 6290
Tervit, H. R. 1535, 4240
Terzi, V. 2001
Tesaprateep, T. 3450
Teshima, T. 3458
Teskeredzic, E. 1603
Teso, B. 3817
Testa, C. M. 5858
Testa, J. R. 916
Testillano, P. S. 5229
Teten Snider, K. 5417
Tetzlaff, M. T. 826
Teuber, M. 1645
Tewari, K. K. 2454
Tewari, R. 6589
Tezuka, K. 708
Thacker, P. A. 4331
Thangstad, O. P. 1286, 2933, 4600
Thanos, D. 5189
The, D. 5291
Theg, S. M. 6287
Theil, E. C. 4091
Theil, K. W. 1497
Theil, T. 4150
Theilade, B. 4108
Theisen, M. 5190
Thelander, L. 2318
Thengane, S. R. 3243
Theodorescu, D. 3420
Theologis, A. 1294, 2366, 2477, 3542, 4068
Theres, K. 5199, 5899
Therre, H. 2188
Theuring, F. 5466
Thézé, N. 692
Thieck, O. 6381
Thiel, S. 1219
Thiele, D. 1151, 3154, 4774
Thien, L. B. 4566
Thierfelder, J. 3269
Thierfelder, J. M. 6016
Thies, E. 5950
Thiesen, H. J. 5168
Thilly, W. G. 3113
Thimmapaya, R. 5328
Thimonier, J. 3063
Thirstrup, K. 6225
Thoenen, H. 1744
Thom, M. 2932, 4532
Thoma, S. 6431
Thomas, A. 2708
Thomas, B. R. 1836, 1898
Thomas, C. M. 3901, 4191, 5708
Thomas, D. 4259, 4605
Thomas, F. 1807
Thomas, H. D. 6338
Thomas, J. A. 5511
Thomas, J. T. 3958
Thomas, K. R. 5548
Thomas, M. 2929, 4421, 5687
Thomas, M. L. 157, 5867
Thomas, M. R. 2009, 6584
Thomas, P. 6066
Thomas, R. A. 956
Thomas, S. 901
Thomas, T. H. 3754
Thomas, T. L. 1366, 1799, 1925, 5834
Thomas, W. K. 1534, 2068
Thomas, W. S. 1321
Thomas, W. T. B. 3629, 4154
Thomashow, M. F. 2485, 3790, 5092
Thomassen, R. 4861
Thomasset, B. 4259
Thomassin, H. 3504
Thompson, A. 6367
Thompson, A. R. 2765
Thompson, C. B. 5745
Thompson, D. B. 6170
Thompson, G. A. 206
Thompson, J. E. 1639
Thompson, J. G. 1535, 4240
Thompson, L. 5324
Thompson, M. 2171
Thompson, N. L. 244
Thompson, P. B. 1089, 3818
Thompson, R. 2460, 5224
Thompson, R. C. 3441, 5084
Thompson, R. D. 4557, 6590
Thompson, W. F. 5102, 5679
Thompson, W. K. 2613
Thomsen, D. R. 5581
Thomsen, P. D. 909, 1963, 3609, 6463, 6502, 6505
Thomson, J. A. 539, 1455
Thomson, M. C. 5705
Thomson, S. V. 2589
Thonon, F. 2046
Thorbjørnsen, T. 4175
Thordal-Christensen, H. 4002, 6250
Thorey, I. S. 4414, 5503
Thorgeirsson, S. S. 374, 765
Thornber, J. P. 4550
Thornburg, R. W. 1173
Thorner, P. S. 5089
Thorpe, C. J. 1916
Thorpe, T. A. 4818, 4834, 6017
Thorsness, M. K. 533
Thorsteinson, K. E. 6585
Thorstenson, Y. 1112
Thottappilly, G. 935, 2590
Threlfall, D. R. 4450
Thro, A. M. 4951
Thro, E. 2745
Thue, T. D. 6495
Thuis, H. 1472-1473
Thuong, N. T. 4212
Thurston, J. 1631
Tian, L. N. 4297, 6136
Tian, X. D. 2704
Tian, Y. C. 3378
Tie, F. 3347, 4103
Tieman, D. M. 6373
Tieman, M. 1045
Tiemann, K. 4022
Tier, B. 6450
Tiezzi, A. 6590
Tighe, P. J. 5031
Tikhomirova, A. 2690
Tikoschinsky, Y. 5334
Tilanus, M. G. J. 3595
Tilburg, N. H. van 1665
Tilghman, S. M. 5717, 6484
Tillberg, E. 3550, 3575
Tilly, J. L. 1764
Timko, M. P. 1931
Timmerman, B. 112
Timmerman, G. M. 5315
Timmons, S. 5070
Timms, E. 157
Tindall, D. J. 4048, 5146
Ting, C. N. 6165
Ting, Y. C. 5418-5419
Tingey, S. V. 2002, 3643
Tinker, N. A. 6508
Tinland, B. 1117
Tinson, A. H. 2603
Tiranti, V. 713
Tiré, C. 2265, 2476
Tiret, L. 4062
Tisch, R. 2238
Tischmann, C. 3982
Tisserat, B. 3216
Tissier, P. le 3079
Titarenko, E. 3911
Tivang, J. 5306
Tiwari, B. 5250
Tixier-Boichard, M. 1304, 6503
Tizroutine, S. 3197, 5986
Tjaden, G. 3497
Tjian, R. 5244
To, A. 1211
To, K. Y. 6442
Tobe, J. D. 4730
Tobin, E. M. 6437
Tobin, J. E. 3
Tobler, A. 6464
Tobler, K. 54
Tobolski, J. J. 3171
Tocharus, C. 5370

Todd, D. 1468, 1492
Todd, J. J. 6434
Todorov, I. T. 265
Toenniessen, G. 10
Toffaletti, D. L. 2256
Toggas, S. M. 1695
Toguri, T. 2376, 2964, 6319
Toh, B. H. 4403
Tohme, J. 1969
Tohya, I. 1480
Tohya, Y. 69
Tohyama, M. 1860
Toivonen, L. 3263
Tokeson, J. P. 1126
Tokita, S. 5606
Toku, S. 3968, 4516
Tokugawa, K. 6319
Tokuhara, K. 3217
Tokuhisa, J. G. 286
Tokuhisa, T. 5497
Tokumitsu, H. 5169
Tokunaga, F. 3444, 5069
Tokunaga, R. 5590
Tokunaga, T. 620, 3409, 3421, 3875
Tol, H. T. A. van 5413
Toldi, O. 4845
Toldo, S. S. 3073, 4119, 6478
Tolvanen, M. 4968, 6603
Toman, C. 2765
Tomás, J. 3397
Tomášková, D. 2145
Tomaszewski, Z., Jr. 6031
Tombler, E. R. 3133
Tomes, D. T. 2856
Tomida, M. 5761
Tominaga, A. 2881
Tomita, T. 1697
Tomiuk, J. 1632, 1646
Tomizawa, M. 5373
Tomonaga, K. 1158
Tomotsune, D. 1867
Tonegawa, S. 1745
Tonelli, C. 2354, 5126
Toner, A. 1691
Tong, J. 4692
Tong, S. H. 1407
Tonkonogy, S. 1869
Tonkyn, J. C. 2478
Tonoike, H. 4116
Tonooka, Y. 2695
Tontonoz, P. 3003
Töpfer, R. 3350
Topilko, P. 2293
Topping, J. F. 5127
Tör, M. 6197
Torchia, M. 593, 2832
Toriyama, K. 5642, 6271
Torné, J. M. 988
Törnell, J. 4408
Torner, H. 6663
Tornero, P. 739, 4436
Torney, D. C. 5956
Toro, N. 168
Torok, M. A. 3983
Toroser, D. 3907
Torquati, S. 4325
Torregrosa, L. 2111
Torrekens, S. 2352, 3965
Torrent, M. 4614
Torres, A. C. 575
Torres, A. M. 2010
Torres, E. 4951
Torres, I. 5965
Torres, J. H. 5701
Torres, J. T. 22
Torres, M. 504
Torres, M. A. 1919
Torres-Jerez, I. 5894, 5908
Torres-Nagel, N. E. 3984
Torres Zabala, M. de 5208
Torriani, S. 5357
Tosca, A. 2657
Tosun, M. 3760
Toteda, F. 1072
Totey, S. M. 1533, 2596, 2667, 4799, 6579, 6673-6674
Touati, K. 2046
Toulimat, M. H. 1538
Tourmente, S. 6554
Tousignant, M. E. 1727
Towers, N. R. 3596
Townley-Smith, T. F. 5289
Toya, T. 806
Toyama, T. 5911
Toyoda, H. 1176
Toyoda, Y. 977
Toyoshima, T. 82
Toyoshima, Y. 6433
Traas, J. 5219
Trachtulec, Z 918
Tracy, W. F. 4164
Trahey, M. 180
Traiffort, E. 3977, 5073
Trainotti, L. 5850
Tramontano, E. 5954
Tran, T. 4324
Tran Thanh Van, K. 6634
Tranbarger, T. J. 1339
Trang, V. B. 3197
Trask, B. 3608
Traut, T. W. 676
Traut, W. 3046
Travieso, L. 3264
Traxler, G. 63
Treadway, J. L. 2231
Treco, D. A. 408
Trefil, P. 1667
Tregaskes, C. 2498, 3586
Tregear, G. W. 1224
Tremblay, C. 6304
Tremblay, M. L. 3404
Tremblay, R. R. 3102
Tremblay, S. 1844
Trémouillaux-Guiller, J. 1061, 6654
Tremousaygue, D. 1797, 1807
Trent, C. 3371
Trent, D. W. 3139
Trentmann, S. 2447
Trewavas, A. J. 1348, 2101
Trezzini, G. F. 5526
Triantaphylidès, C. 3748
Tribe, D. E. 3282
Trick, M. 2681-2682, 4337
Trigiano, R. N. 2616, 4272
Trimnell, M. R. 6070
Trinca, S. 2853
Trofatter, J. A. 4740
Troitsky, A. V. 1271
Trolinder, N. 4558
Trollinger, D. 3430
Trommelen, G. J. J. M. 917
Trommelen, G. J. M. 1421
Tropf, S. 4112
Troshin, L. P. 6040
Tröster, H. 697
Trotin, F. 3398
Trotter, H. C. 1467
Trottet, J. 5293
Trottier, M. C. 2144
Trottier, N. L. 5437
Trounson, A. 1536, 3241
Trounson, A. O. 2067, 4306, 5974
Trouslot, M. F. 4465
Troussard, L. 4839
Trout, W. E. 1604
Troutt, H. F. 3255
Troxel, T. R. 2677
Troxler, R. F. 5237
Troyer, D. L. 4761, 6504
Truchet, G. 6393
Trudel, M. 6166
Trueb, B. 1232
Trueb, J. 1232
Truesdale, M. R. 6372
Truglio, R. A. 3337
Trujillo, D. 6096
Trumbauer, M. E. 4415
Truong, H. N. 6389
Truve, E. 129
Tsai, C. H. 130
Tsai, H. J. 5438
Tsai, J. H. 426
Tsai, M. 2393
Tsai, M. J. 4042, 5176
Tsai, S. M. 1997
Tsai, S. P. 6089
Tsai, S. Y. 4042, 5176
Tsai, W. B. 5087
Tsai, W. H. 5744
Tsang, E. W. T. 2774
Tsang, W. 2413
Tsao, A. 2647
Tsao, B. P. 3878
Tsay, H. S. 2277
Tsay, Y. F. 3498
Tscharner, C. von 76
Tscherning, T. 1134
Tschopp, J. 2892
Tse, C. M. 834
Tseng, T. S. 5702
Tsiantis, M. 3558, 6311
Tsichlis, P. N. 916, 1763
Tsilou, E. 5579
Tsitsikov, E. N. 6240
Tsonis, C. G. 1591, 3248
Tsubaki, K. 6079
Tsubata, T. 4412
Tsuboi, A. 5169
Tsuchida, K. 1788, 2341
Tsuchimoto, S. 342, 1902
Tsuchiya, H. 6668
Tsuchiya, K. 3059
Tsuda, T. 5079
Tsudzuki, J. 6320
Tsudzuki, T. 6320
Tsuge, S. 1721
Tsuge, T. 1264, 4545
Tsugeki, R. 5703
Tsui, F. W. L. 3538
Tsui, H. W. 3538
Tsui, L. C. 3614
Tsuji, H. 234, 3036, 5448, 5828, 6292
Tsuji, K. 4846
Tsuji, S. 1964, 2524, 4126, 5057, 5252, 5862
Tsujimoto, H. 6546
Tsujimoto, K. 5586
Tsujita, H. 4507
Tsujita, M. J. 6658
Tsukada, T. 3421
Tsukamoto, H. 1964
Tsukamoto, T. 793
Tsukita, S. 1214, 5046, 5046
Tsunematsu, H. 387
Tsunewaki, K. 1447-1448
Tsunoda, S. 5025
Tsunoda, Y. 512, 2056, 3690, 3875, 4785-4786
Tsurufuji, S. 674
Tsurushima, H. 6056
Tsutsui, K. 5762, 5762
Tsutsumi, K. 1948
Tsutsumi, N. 3490, 3638
Tsvetkova, F. 1548
Tucker, E. M. 1422
Tucker, G. A. 1378, 5646
Tucker, J. D. 3048, 3610
Tucker, K. L. 270
Tucker, M. L. 5215
Tucker, P. W. 3956, 3963, 5722
Tudzynski, P. 2938
Tuggle, C. K. 1966, 2342, 2530, 5866, 6241
Tuijnenburg Muijs, G. 6749
Tumer, N. E. 2279
Tun, T. 4063
Tunen, A. J. van 2427, 3574, 6443
Tunoyama, Y. 6433
Tupý, J. 6422
Turaev, A. M. 3037
Turaga, P. S. 1868
Turbide, C. 3440
Turcich, M. P. 2377, 6321-6322
Turck, C. W. 666
Turek, F. W. 4694
Turet, M. 2356
Turgeon, B. G. 131
Turgeon, C. 5609
Turgut, K. 3776, 3848
Turhollow, A. 4898
Turk, V. 5072
Turmel, C. 4753, 6474
Turnay, J. 3448
Turner, B. M. 363
Turner, C. A., Jr. 3985, 4064
Turner, J. D. 5015
Turner, L. 3995, 4069, 4352
Turner, M. 5458
Turner, R. T. 953
Turner, T. F. 1789
Turovets, I. 4219
Turovskaya, N. I. 6655
Turque, N. 6347
Tutois, S. 6554
Tuvesson, I. K. D. 1065
Twary, S. 227
Twell, D. 3038, 4610, 5241
Twigg, P. 320
Twigg, S. R. F. 52
Twisk, J. 2991
Tyagi, A. K. 1926, 3557, 3851
Tymms, M. 253
Tyson, H. 4553
Tzeng, S. S. 226, 5702
Tzotzos, G. T. 3819, 6739
Überlacker, B. 346
Ucar, K. 3845
Uchida, I. 4581
Uchida, K. 3973, 5860
Uchida, M. 3973, 5173
Uchida, N. 6029, 6242
Uchida, T. 1508
Uchimiya, H. 1264, 2379, 2949, 4545, 5642, 5857, 6271, 6353, 6625, 6716
Uchiyama, T. 1508
Udagawa, A. 3200
Uden, W. van 2284
Udy, G. B. 6206
Ueda, J. 4865, 5409
Ueda, K. 5105
Ueda, R. M. 3326
Ueda, T. 348, 2924, 4676
Uede, S. 1573
Uede, T. 2995
Uehara, H. 997
Uehara, S. 3338
Uematsu, J. 1058
Ueno, S. 5075
Ueyama, H. 5355
Ugaki, M. 3847
Uhl, G. R. 3460
Uhler, M. D. 628, 821, 5615
Uhler, T. A. 4927
Uhlmann, A. 1287
Uhrig, H. 3749, 6154
Uht, R. M. 5159
Uijthof, J. 3356
Uitterlinden, A. G. 917, 1421, 5465
Uitto, J. 359
UK, AFRC Institute of Plant Science Research, Cambridge Laboratory, John Innes Institute, Nitrogen Fixation Laboratory & Sainsbury Laboratory 3843
UK, British Egg Industry Council 2698
UK, Catholic Institute for International Relations 1653
UK, Mammalian Genetics and Development Workshop 1636
UK, Ministry of Agriculture, Fisheries and Food 3820
UK, Science and Engineering Research Council 3837
UK, University of Greenwich 3834
Ukai, Y. 403, 3638
Ukkonen, S. 3459
Uknes, S. 1184, 1640, 2851, 3905, 5528, 6194
Ulaganathan, K. 3379
Ulhrich, P. 443
Ulian, E. C. 6152
Ullman, D. E. 446
Ullrich, B. 6160
Ullrich, M. 2591
Ullrich, S. E. 3242, 3636
Ulmanen, I. 3459
Ulmasov, T. 5822
Ulrich, T. 202
Ulrich, T. H. 3340
Umans, L. 3965
Umaoka, Y. 968
Umeda, M. 1264, 2379, 2949, 4545, 5642, 6271, 6716
Umehara, Y. 4099, 5927

Umemoto, N. 2376
Umenishi, F. 5869
Umeyama, T. 835
Unda, F. 2204
Ungefroren, H. 2800, 3986
Unger, C. 6323
Unger, E. 343
Uni, Z. 3074, 3605
Unkles, S. E. 1709, 2042
Unno, M. 5616
Unseld, M. 724, 5851
Uozumi, N. 4298
Upadhyaya, K. C. 3991
Uparanukraw, P. 82
Upfold, S. J. 2084
Uragami, A. 6032
Uraivong, H. 4282
Urakami, M. 2408
Urano, A. 1403
Urao, S. 2722
Urao, T. 2722
Uratsu, S. 15
Uratsu, S. L. 573, 2244, 4983
Urban, C. 5700
Urban, L. A. 6153
Urban, O. 3273
Urner, F. 2066
Urosevic, N. 4146
Ursin, V. M. 869
USA, American Society for Horticultural Science 554, 1092
Ushikubi, F. 3523
Ushio, N. 3980
Ushkaryov, Y. A. 267
Ustinnikov, B. 2690
Usui, T. 4412
Usukura, J. 3408
Utaka, K. 976
Utell, M. J. 5936
Utsumi, K. 976, 1130, 4314, 4792
Utsumi, S. 2479
Uttaro, B. 3257
Uttaro, B. E. 1605
Utting, S. D. 4311
Uwanogho, D. 2986
Uyemoto, J. K. 2592
Vaccino, P. 397
Vacher, P. 5034
Vad, K. 1927
Våge, D. I. 6243-6244
Vagelopoulos, N. 3949
Vagera, J. 6692
Vahala, T. 3575
Vahedian, M. 4173
Vail, P. V. 4983
Vaillancourt, R. E. 5312
Vaiman, D. 1395, 1400, 3620, 4125, 4675, 6485
Vaiman, M. 4505
Vain, P. 23
Vainstein, A. 4071, 4954
Vajranabhaiah, S. N. 4284
Vajta, G. 455, 903
Valdes, J. M. 6586
Valdivia, R. P. A 977
Valè, G. 2001
Vale, W. W. 1782, 1788, 2341, 4033
Valenski, M. L. 5520
Valenta, R. 743
Valentino, V. A. 11
Valenzuela, A. 3132
Valera, A. 2240
Valere Córdoba, M. 4866
Valerio, D. 2757
Valeur, B. 4212
Valk, B. E. 4775
Valk, M. A. van der 1748
Valkonen, J. P. T. 6432
Vallania, R 1056
Valle, P. L. 836
Valle, T. 2840
Vallejos, E. 6513
Vallerand, F. 4
Vallés, M. P. 2791
Vallet, J. C. 2048
Vallon, R. 5144
Valobra-Piagnani, C. 6216
Valon, C. 1288, 4088
Valpuesta, V. 2931, 5626
Valsalakumari, P. K. 3715
Valtorta, N. 3392
Vamling, K. 2879
Van Aalderen, M. 3438
Van Achterberg, T. A. E. 2609
Van Altvorst, A. C. 6613
Van Arendonk, J. A. M. 3166, 5246
Van Arendonk, J. M. 6450
Van Beek, T. A. 6112
Van Berkel, J. 5446
Van Bilsen, M. 5621
Van Caeneghem, W. 334
Van Camp, W. 3788, 5779, 6116
Van Cutsem, P. 2101
Van Daelen, R. A. J. J. 1163
Van Damme, E. J. M. 1249, 2352, 5101
Van de Loo, F. J. 6288
Van de Rhee, M. D. 3891
Van de Sande-Schellekens, A. L. P. 2696
Van de Ven, W. T. G. 6529
Van de Voorde, A. 5381
Van de Vossen, E. 1722
Van de Weghe, W. 1396
Van de Wetering, M. 694, 839
Van Deemter, L. 1748
Van Delft, J. H. M. 3664
Van den Ackerveken, G. F. J. M. 1707, 3914
Van den Berghe, H. 3965
Van den Bosch, J. F. 65
Van den Branden, J. 5376
Van den Broek, H. W. J. 3914
Van den Bulk, R. W. 2137, 2297
Van den Eijnden, M. 3530
Van den Elzen, P. J. M. 1114, 4549
Van den Hoff, M. J. B. 4928
Van den Hurk, R. 4853
Van den Maagdenberg, A. M. J. M. 38
Van den Oord, J. J. 3920
Van der Beek, S. 5246
Van der Boom, H. 38
Van der Eb, A. J. 1665
Van der Elst, J. 3682
Van der Elst, J. C. 1516
Van der Eycken, W. 3898
Van der Heijden, J. 5736
Van der Heijden, R. 4471
Van der Hoeven, C. 6388
Van der Knaap, J. A. 4549
Van der Krol, A. R. 309, 342, 1902-1903
Van der Lee, F. M. 1889
Van der Lende, T. 1045, 5354
Van der Lugt, N. M. T. 1748, 5742
Van der Maas, H. M. 301, 1676, 3312
Van der Mark, F. 301, 1676, 2140
Van der Meer, I. M. 4418, 5517
Van der Meulen-Muisers, J. J. M. 2797
Van der Mijnsbrugge, K. 3841
Van der Moer, A. 420
Van der Plas, H. C. 6764
Van der Plas, L. H. W. 1738
Van der Poel, J. J. 3588, 4038, 4687
Van der Schans, A. 6069, 6679
Van der Straeten, D. 334
Van der Valk, M. A. 1748
Van der Veen, S. 301, 1676
Van der Vliet, G. M. E. 1507
Van der Werff, F. 2218
Van der Westerlaken, L. A. J. 6679
Van der Zaal, B. J. 275
Van der Zee, A. 1772
Van der Zeijst, B. A. M. 67, 1503
Van Deynze, A. 1451
Van Dijk, H. 3797, 6075
Van Doorsselaere, J. 2939, 3841
Van Driel, I. R. 4403
Van Duijn, G. 4775
Van Dyke, T. 2239
Van Eck, M. M. 362, 1772
Van Eeuwijk, F. A. 6624
Van Eijk, M. 694
Van Eijsden, R. R. 305
Van Engelen, F. A. 1799
Van Erp, S. H. M. 653
Van Gemen, B. 1507
Van Genderen, C. 6340
Van Haaren, M. J. J. 1258, 1375
Van Ham, R. C. H. J. 4711
Van Helden, P. 6582
Van Hest, B. J. 6471
Van Heyningen, V. 2666
Van Hoek, A. N. 718
Van Holst, G. J. 2098
Van Inzen, W. G. 2609, 5974
Van Iren, F. 3712
Van Kammen, A. 630, 1799, 2362, 3367
Van Kampen, A. J. A. 3588
Van Kan, J. A. L. 99, 3914-3915
Van Kesteren, W. J. P. 2795
Van Koppen, C. J. 3959
Van Kreijl, C. F. 2917
Van Lammeren, A. A. M. 4876
Van Lent, J. 3367
Van Leuven, F. 1249, 2352, 3965, 5101
Van Lijsebettens, M. 6403
Van Lingen, B. 154
Van Lookeren Campagne 4316
Van Lunen, T. A. 4331
Van Mansfeld, A. D. M. 3540
Van Mil, R. 6127
Van Montagu, M. 6, 334, 2265, 2450, 2476, 2723, 2939, 3788, 3841, 3898, 4022, 4073, 4616, 5779, 5937, 6116, 6360, 6403
Van Muylem, K. 1500
Van Nguyen, T. B. 5621
Van Norren, K. 839
Van Onckelen, H. 287
Van Ooijen, J. W. 3368
Van Oostrom, C. T. M. 2917
Van Oostveldt, P. 5937
Van Ormondt, H. 1665
Van Os-Ruygrok, E. P. 301, 1676
Van Oss, H. 5536
Van Poel, J. J. 4038
Van Puijenbroed, A. 3530
Van Roekel, J. S. C. 574
Van Rooijen, G. J. H. 5835
Van Rooijen, R. J. 1299
Van Roon, M. A. 1748
Van Roozendaal, G. 2753
Van Ruissen, F. 1163
Van Soom, A. 966, 5376
Van Spanje, M. 1365
Van Staden, J. 2083-2084, 2087, 4396
Van Staveren, M. J. 2025
Van Steeg, H. 2917
Van Steirteghem, A. C. 1516, 3682
Van Stekelenburg-Hamers, A. E. P. 2609, 5974
Van Steveninck, R. F. M. 2102
Van Teeffelen, H. A. A. M. 3540
Van Tilburg, N. H. 1665
Van Tol, H. T. A. 5413
Van Tunen, A. J. 2427, 3574, 6443
Van Uden, W. 2284
Van Vlaenderen, I. 966, 5376
Van Vlijmen, B. 38
Van Wijk, J. 3821
Van Wolferen, M. 4686
Van Zeveren, A. 1396
Van Zijderveld, M. H. 2140
Van Zoonen, P. 449
Van Zutphen, L. F. M. 4142
Vance, C. 227
Vance, C. P. 1371, 2448, 6270
Vance, D. E. 5572
Vance, J. E. 5572
Vandekerckhove, J. 5544
Vanden Bos, T. 2330
Vanden Broeck, J. 2771
Vandenbossche, D. 5643
Vandenbussche, B. 6033
Vandeputte-van Messom, G. 4341
Vanderberghe, G. C. 6324
Vanderhaeghen, R. 6403
Vanderleyden, J. 92, 6135
Vanderpan, S. 3880
Vanderstichele, H. 5381
Vanderstichele, H. M. J. 5413
Vanderwall, D. K. 2070
VanderWiel, P. L. 2965
Vanhove, B. 803
Vankan, D. 5338
Vanlerberghe-Masutti, F. 3356
Vannereau, A. 6010
Vansteenbrugge, A. 5969
VanWuyckhuyse, B. 5578
Vanyushin, B. F. 844
Varadaraj, K. 4312
Varadi, G. 1397
Váradi, L. 564
Varagona, M. J. 3039
Várallyay, É. 4845
Varcony, T. 897
Vardimon, D. 3061
Varfolomeeva, L. A. 1557
Varga, Z. 455, 903
Vargas, D. 4466
Varkey, J. P. 132
Varma, R. S. 4744
Varmus, H. E. 2317, 3923
Varner, J. E. 2488
Vasara, T. 1280
Vashi, P. S. 1571
Vasil, I. K. 3316, 4251, 6366
Vasil, V. 3316, 4251, 6366
Vaske, D. A. 2506, 3621, 4669, 4693
Vasques, M. I. 3768
Vassalli, A. 3925
Vassalli, J. D. 509
Vassalli, P. 635
Vassar, R. 268
Vasseur, J. 1545, 2112, 3320, 3398, 3702
Vasseur-Cognet, M. 627
Vassilev, L. 5033
Vassileva, G. 3407
Vattuone, M. A. 6636
Vaubert, D. 296
Vaucheret, H. 1633, 3551, 3576, 4081, 5775
Vaughan, H. D. 5728
Vaughan, T. J. 5191
Vaupel, B. A. 2864
Vauterin, M. 6325, 6522
Vayda, M. 1464
Vayda, M. E. 6168
Vaysse, N. 3652
Vaz, I. 3685
Vaz, I. S., Jr. 4428
Vázquez, A. M. 5555
Vázquez, I. 2665
Vázquez, J. M. 1042, 1048, 1581
Vazquez-Tello, A. 4023
Vear, F. 6698, 6761
Veech, R. L. 670
Veen, S. van der 301, 1676
Veenema, J. L. 1472-1473
Veenhuizen, J. J. 1601, 2686
Vega-Saenz de Miera, E. 3058
Veillette, A. 5030
Veilleux, R. E. 5417
Veis, D. J. 1751
Veit, B. 1832, 1928
Velander, W. H. 3324, 3693, 4243, 4883, 5967
Velázquez, H. 5032
Veld, E. P. C. in 't 6059
Veldboom, L. R. 5292
Veldhuizen, F. A. 525
Velleca, M. 5049
Velmala, R. 5359
Velozo, J. 2631

Velterop, J. 275
Ven, W. T. G. van de 6529
Venanzi, F. M. 5345
Vendrell, M. 45
Venkataraman, L. V. 3181
Venkatesan, P. 1505
Venter, J. C. 755, 5460
Ventura, A. M. 3309
Venuti, J. M. 2863
Vera, A. 5238
Vera, P. 739, 4436, 4984
Vera Cruz, E. M. 6061
Verbeek, S. J. 2917
Verbruggen, N. 2723
Vercaeren, I. 652
Verdeil, J. L. 3218
Verdine, G. L. 682, 5136
Verdus, M. C. 2112
Vergnaud, G. 904
Vergne, E. 3139
Vergne, P. 521
Vergnes, J. P. 659
Vergos, E. 2069
Vergunst, A. C. 2218
Verheijen, C. 5016
Verhoeven, G. 1319, 2984, 5381
Verhoeven, H. A. 497, 2025
Verkamp, E. 5207
Verkerk, R. 1290
Verkman, A. S. 718
Verma, D. P. 560
Verma, D. P. S. 542, 1635, 1910, 3423
Verma, I. M. 2390, 4924
Verma, M. 714
Verma, P. J. 958
Verma, R. 3604
Vermeulen, A. 5928
Vermeulen, J. L. M. 3118
Vernet, P. 3797, 6075
Verpoorte, R. 1741, 3706, 4471, 4482, 4639
Verstege, A. J. M. 4687
Vertel, B. M. 2329
Verver, J. 3367
Vespignani, S. 6693
Vessie, G. 1605
Vestergaard, M. 1606
Vetter, H. P. 1282
Vézina, L. P. 1080, 5098
Viale, G. 890
Viana, A. M. 4275
Vianello, S. 2979
Vicente, C. de 1175
Vicente, J. S. 1537
Vicente, M. C. de 2011
Vicente, O. 1289, 5229
Vicente-Carbajosa, J. 1269
Vick, C. L. 6199
Vick, L. 978, 1696
Victoria, J. I. 1574
Vidal, B. C. 2880
Vidal, H. 1231
Vidal, J. 6402
Vidhyasekaran, P. 3374, 3380-3381, 3416, 3836
Vidya Jethwani 502
Vieau, D. 189
Vieira, M. L. C. 3178, 4256
Vieitez, A. M. 500
Viémont, J. D. 6656
Vienne, D. de 4731, 5275
Vierling, E. 2440
Vierling, R. A. 4192
Vierstra, R. D. 2480, 4567, 6362
Viggeswarapu, M. 4596
Vigna, J. L. 3132
Vigne, J. L. 3924
Vihinen, T. 5763
Vijay, I. K. 5177
Vijay Kumar, M. 4048
Vijg, J. 917, 1421, 3664, 5465
Vil, M. de 6135
Vilardell, J. 4653
Vilček, J. 156, 4999, 6212
Vilček, Š. 83, 421
Vilček, Š. 1506
Vilensky, M. 1965
Vilenz, A. 4219
Vilkki, H. J. 5926
Vilkki, J. P. 5926
Villa, L. L. 3309
Villa-Komaroff, L. 5754
Villalba, M. 2942
Villand, P. 3499, 4175
Villanueca, C. 961
Villanueva, C. 1522
Villar, A. J. 5258
Villar, M. 4176, 4839
Villaroel, R. 112
Villarroel, R. 2476, 2723, 6403
Villechanoux, S. 133
Villegas, T. 995
Villegas-Sepulveda, N. 6326
Villemur, R. 1352, 3500
Villeneuve, L. 6474
Villers, R. 1098
Vilotte, J. L. 1222
Viñas, A. 5259
Vincek, V. 918
Vincent, C. K. 5764
Vincent, N. 4387
Vincent, S. R. 3455
Vincente, A. C. P. 112
Vincentz, M. 3551, 4081, 5775
Vincenzi, S. de 4347
Vingron, M. 5349
Vink, A. C. G. 3438
Vinke, J. H. 3368
Vinnikova, N. V. 4263
Vinterhalter, B. 6034
Vinterhalter, D. 6034
Viñuela, E. 1140
Viola, M. V. 6753
Viola, R. 3351, 4643, 5209
Viotti, A. 5771, 6141
Viret, J. F. 2966
Virmani, M. 661
Virmani, S. S. 2157
Viry, M. 1726
Viscidi, R. 5958
Visconti, A. 4777
Visek, W. J. 247
Viseshakul, N. 1389
Vishnichenko, V. K. 1715
Viss, P. 15, 2244
Vissare, B. 4
Visser, B. 3361, 3910
Visser, J. F. 151
Visser, R. G. F. 2372, 3560, 5517, 5852, 6371, 6423
Vissing, H. 5168
Visvalingam, S. 4600
Vita, N. 5080
Vitagliano, C. 2642
Vitale, A. 2467
Vitaterna, M. H. 4694, 6346
Vitelli, B. T. 1493
Vitiello, L. 952
Vitor, R. W. A. 1469
Vivar, H. 5525
Viveiros Ronca, A. T. M. 5427
Vivekananda, J. 5834
Vivero, M. 2592
Vivian, A. 3382
Vivian, N. 4664
Vlaenderen, I. van 966, 5376
Vliet, G. M. E. van der 1507
Vlijmen, B. van 38
Vloemans, S. A. 3908
Vnuchkova, V. A. 505
Vodkin, L. O. 6434, 6550, 6587
Vodkin, M. H. 3155
Voelker, D. R. 5572
Voeste, D. 1540
Vogel, J. M. 2481
Vögeli-Lange, R. 3040, 5534
Vogelsang, R. 2967
Vogelstein, B. 366
Vogt, F. 346
Vogt, T. 3577
Vogt, T. F. 701, 3614
Voigt, M. M. 1870
Voisey, C. 5401
Voisey, C. R. 4955
Vojtek, A. B. 3006
Volckaert, G. 4111
Voldeng, H. 4297
Volkenandt, M. 3156
Volkmann, D. 2041
Völksch, B. 2591
Volpe, C. P. 1207
Volrath, S. 6317
Von Aderkas, P. 4807, 4874
Von Arnim, A. G. 5831, 5855
Von Arnold, S. 1119, 4606
Von Boehmer, H. 4409
Von Caemmerer, S. 1357
Von der Mark, K. 3448
Von Haeseler, A. 4221
Von Neiderhäusern, B. 261
Von Rüden, T. 1746
Von Schaewen, A. 4001
Von Schwartzenberg, K. 5488
Von Tscharner, C. 76
Von Wettstein, D. 2465
Vooijs, M. A. 3610
Voorde, A. van de 5381
Vopper, G. 2859
Vorbroker, D. K. 2313
Vorkapić-Furač, J. 2614
Vornam, B. 4732
Vorndam, A. V. 3139
Vorsa, N. 2023
Vorst, O. 1929
Vorstenbosch, J. M. G. 2189
Vos, D. de 1452
Vos, P. de 2984
Vos, P. L. A. M. 6069
Vos, R. de 3920
Vosman, B. 6549
Vossen, E. van de 1722
Vossen, P. 1707
Vossen, P. M. J. 3914
Vossenaar, F. 6733
Voytas, D. F. 2965
Vreugdenhil, D. 5852, 6035
Vrieling, H. 6348
Vries, A. de 2917
Vries, B. J. de 6371
Vries, P. de 2330
Vries, S. C. de 1799
Vries, S. de 6431
Vries van Hulten, H. J. P. de 2137
Vu, J. C. V. 2113
Vuijk, D. H. 6764
Vujičić, R. 3758
Vulsteke, V. 2771
Vuylsteke, D. R. 928
Vyas, P. 2237
Vydelingum, S. 52, 84
Vyvadilová, M. 2145
Waanders, G. A. 586
Wackernagel, W. 1627
Wada, E. 5057
Wada, J. 3539
Wada, K. 5608
Wada, K. T. 6738
Wada, M. 4017
Wada, S. 4568
Wada, T. 6068, 6433
Wade, N. 1790
Wadhwa, R. 194
Waeber, C 3532
Wagemakers, C. A. M. 99
Wagenaar, E. 1748
Wagna, E. 6128
Wagner, A. 4526, 4904
Wagner, D. B. 5888
Wagner, D. D. 619
Wagner, E. 4939, 4956, 5472
Wagner, E. F. 1746, 3401, 5466, 5512
Wagner, J. 5043
Wagner, K. G. 2093, 5980
Wagner, P. 6452
Wagner, S. 5245
Wagner, T. E. 3780, 4784, 4973
Wahi, M. 3265
Wahl, S. M. 4581
Wainwright, I. M. 4167
Waitz, A. 5650, 5686
Wajnberg, E. 3356
Wakamatsu, K. 3750
Wakamatsu, Y. 1867, 3514
Wakamiya, I. 2033
Wakamiya, N. 3457
Wakao, H. 3987
Wakasugi, T. 6320, 6395
Wakayama, S. 2580
Wakeham, A. 157
Wakeland, E. K. 1934, 4055
Wakelin, D. 1505
Wakhlu, A. K. 6614
Wakimoto, S. 111
Wakita, K. 2924
Wakiyama, M. 134
Waksmundzka, M. 6611
Walbot, V. 1442, 2016, 2194, 4624, 5824, 5962, 6368, 6426
Wälchli, C. 1232
Wald, E. 3830
Walden, D. B. 271, 2431, 5640, 5662-5663, 5776, 5906, 6097-6098, 6105
Walden, P. D. 5192
Walden, R. 506, 2754, 3833
Waldmann, R. 2883, 6228
Waldmüller, T. 1169
Waldron, C. 1837
Wales, R. G. 1515
Walker, D. 4061
Walker, D. R. 4992
Walker, G. T. 3670
Walker, J. E. 690, 5035
Walker, J. R. L. 2697
Walker, K. 3388
Walker, M. 6355
Walker, P. R. 1308
Walker, S. K. 4244
Walker, S. P. 1136, 3846
Walker-Simmons, M. K. 4701
Wall, R. J. 4782, 4857, 4966
Wallace, A. 4539
Wallace, J. M. 3168
Wallace, R. A. 6676
Wallace, T. P. 6327
Wallace, V. A. 157
Wallace-Cook, A. D. M. 1931
Wallach, E. E. 6678
Wallach, J. 6245
Walling, L. L. 5313, 5531, 5693
Wallis, A. E. 195
Wallmeier, H. 2940
Wallner, E. 3539
Wallsgrove, R. M. 2347
Walsh, A. 2226, 5193
Walsh, C. 3177
Walsh, J. 1390
Walsh, J. H. 529
Walsh, K. 2323, 5764
Walsh, T. A. 1837
Walter, B. 3627
Walter, C. A. 4050
Walter, J. 3106
Walter, L. 3988
Walter, M. 767
Walther, N. 2800, 3986
Waltisbuhl, D. J. 62, 4229
Walton, J. R. 1074
Walton, J. S. 2149, 2689, 5405
Walton, M. 3650
Walton, N. J. 4488-4489
Walz, D. A. 4500
Wan, C. Y. 4220
Wan, X. S. 577
Wan, Y. C. 3863
Wanaka, A. 1860
Wang, B. 398, 2227
Wang, B. L. 3004
Wang, B. S. 5099
Wang, B. S. P. 4847
Wang, C. 6717
Wang, C. S. 5313, 6434, 6587
Wang, D. W. 5964
Wang, E. S. 915
Wang, F. 4570, 5195, 5239
Wang, F. D. 577
Wang, F. M. 4242
Wang, G. 1879, 4702
Wang, G. A. 282
Wang, G. L. 4193, 6555
Wang, G. R. 2799
Wang, G. Y. 2658
Wang, H. 144, 1466, 2482, 2486, 3496, 4882, 5128, 5672
Wang, H. Q. 851
Wang, H. S. 870
Wang, J. 3049, 5129, 6334
Wang, J. B. 3460
Wang, J. L. 1381

Wang, K. 5193
Wang, L. 2251
Wang, M. 434
Wang, M. B. 3501
Wang, M. L. 164
Wang, M. M. 5081
Wang, M. X. 4441
Wang, Q. 1869, 2343, 5551
Wang, S. 2343
Wang, S. C. 577
Wang, S. Y. 1063, 5617
Wang, T. C. 6167
Wang, T. L. 3481
Wang, W. 3430
Wang, W. H. 4871
Wang, W. K. 5870
Wang, W. X. 4441
Wang, X. H. 3751
Wang, X. K. 3004
Wang, X. L. 4313
Wang, X. M. 385
Wang, X. P. 3378
Wang, X. Q. 2968
Wang, X. R. 5929
Wang, X. Y. 6207
Wang, X. Z. 1930, 2465
Wang, Y. 385
Wang, Y. B. 1586
Wang, Y. C. 344
Wang, Y. F. 1759
Wang, Y. G. 4313
Wang, Y. M. 1320
Wang, Y. N. 6000
Wang, Z. 111, 837, 5059, 5314
Wang, Z. F. 1838
Wang, Z. Q. 1746
Wang, Z. X. 4103, 5911
Wang, Z. Y. 307, 2968, 3219, 4952
Wanner, B. L. 5490
Wanner, G. 1462, 4095
Wantanabe, M. 5762
Wantanabe, W. O. 3771
Warburg, R. J. 3283
Ward, A. 768, 5513
Ward, C. 4270
Ward, D. C. 3058
Ward, E. 1159-1160, 1184, 1274, 1640, 2851, 3905, 6194, 6317
Ward, E. R. 114
Ward, G. C. 5535
Ward, K. A. 2818
Ward, L. J. H. 5563
Ward, M. A. 5552
Ward, R. D. 137
Ward, R. P. 2911
Ward, S. 132
Ward, W. R. 1630
Ware, C. F. 5313
Warmbrodt, R. D. 2241
Warmke, J. W. 5082
Warner, A. 3648
Warner, C. M. 706, 1538, 3621, 4693
Warner, S. A. J. 5853
Warnes, D. 4244
Warnick, D. A. 3370
Warnock, D. G. 4680
Warnot, F. 1545
Warren, C. E. 4741
Warren, J. 4796
Warren, S. T. 3936
Warwick, S. I. 5930
Washburn, T. 311
Washenick, K. J. 677
Washington, C. 4808
Wassall, D. A. 4772
Wassarman, P. M. 1854, 4413, 6765
Wassenegger, M. 5854
Wassmuth, R. 1047, 4681
Watabe, K. 5135
Watabe, M. 5135
Watanabe, A. 3027
Watanabe, K. 674, 2582, 2924, 5085
Watanabe, K. N. 6435
Watanabe, M. 1023, 1226, 5078, 5709
Watanabe, N. 3410, 6209
Watanabe, S. 5152, 5362, 5691
Watanabe, T. 673, 1233, 2998, 5616
Watanabe, Y. 710, 5707
Watanabe, Y. I. 2924
Waterborg, J. H. 955
Waterhouse, R. N. 5707
Waterman, D. F. 2155
Waterman, M. S. 4221, 5349
Waterman, P. G. 4463
Waters, A. P. 77
Waters, M. 5034
Wathelet, B. 2947
Wathelet, J. P. 467
Wathes, D. C. 3986
Watillon, B. 1382
Watkins, D. I. 662, 2893
Watkins, P. A. C. 4077
Watkins, R. F. 399
Watrin, F. 5721
Watson, A. B. 4489
Watson, A. J. 2125, 4244
Watson, A. K. 495
Watson, E. D. 4791
Watson, E. E. 4214
Watson, J. 3284
Watson, J. C. 5710
Watson, M. D. 2438, 3041, 3833
Watson, M. L. 899, 3064
Watson, P. H. 2125, 4244
Watson, R. 406
Watson, R. J. 626
Watson, S. J. 3441, 5084
Watson, S. K. 6665
Watson-Pauley, B. A. 1014-1015
Watt, F. M. 3926
Watt, M. P. 4703
Wattier, R. 6075
Watts, J. W. 1331
Waugh, R. 923, 3629, 4154, 4959, 5300
Waxman, L. 1217
Weaker, F. J. 4050
Weatherall, D. 1091
Weatherwax, S. C. 6437
Weaver, A. 3050
Weaver, L. D. 3255
Weaver, L. M. 3486
Weaver, T. E. 1765
Webb, D. M. 4173
Webb, J. 4297, 4773, 6136
Webb, M. A. 5696
Webb, P. 5159
Webb, R. 2675, 6058
Webb, R. P. 3789
Webber, A. L. 5717
Weber, A. 5638
Weber, B. 6552
Weber, H. 1896, 5123
Weber, J. A. 2070
Weber, J. L. 5314
Weber, K. 655, 4028
Weber, P. K. 4805
Weber, T. 2437
Webster, A. D. 2244
Webster, F. B. 4080
Webster, K. A. 2039
Webster, K. D. 2833
Webster, R. G. 2207
Weddell, G. N. 3326
Weeden, N. F. 5315, 6574
Weeks, J. T. 1118
Weesner, G. D. 5618
Wegener, S. 228
Weghe, A. van de 1396
Weghorst, C. M. 940, 2571
Wegrich, L. M. 1837
Wegrzyn, J. 3075
Wehland, J. 655
Wehling, P. 5431, 5915
Wei, A. 5025
Wei, N. 5855
Wei, R. X. 1066
Wei, Y. H. 5600
Wei, Z. M. 1031, 1035, 4301
Weidemann, W. M. 4512
Weidenhaupt, M. 167
Weidner, K. M. 4592
Weier, H. U. 6493
Weier, H. U. G. 2536
Weigand, F. 4923
Weigel, D. 345
Weigel, N. L. 815
Weikard, R. 2687
Weil, J. H. 1355, 5826
Weiland, P. 3264
Weiler, E. W. 326, 721, 1241
Weiler, S. 4762
Weima, S. M. 2609, 5974
Weimann, M. 3076
Weinberg, R. A. 3402
Weinberg, W. 597
Weindruch, R. 5350
Weiner, R. I. 3924
Weiner, R. L. 597
Weining, S. 2012
Weinmann, P. 4654
Weinreb, A. 4122
Weinstock, J. 2884
Weintraub, H. 1307
Weir, M. P. 2402
Weis, B. C. 774
Weisbeek, P. 1929
Weisbeek, P. J. 4418, 5517
Weise, M. 1073
Weisemann, J. M. 1990
Weiser, W. Y. 3442
Weisgerber, C. 5358
Weising, K. 3093, 4923
Weiskirchen, R. 1234
Weisman, Y. 1491
Weiss, C. A. 2483
Weiss, D. 2427
Weiss, H. 1980, 2846
Weiss, J. 6451
Weiss, L. M. 1705
Weiss, R. C. 9
Weissinger, A. K. 2787
Weissman, I. 180
Weissmann, C. 2292, 4974, 5493
Welander, M. 3220
Welch, D. F. 2830
Welch, G. R. 5371
Welin, B. 6712
Wellburn, A. 3995
Wellburn, A. R. 6116
Welle, R. 1735
Weller, G. L. 377
Weller, J. I. 1415-1416, 4122, 6455
Weller, S. C. 2272, 4619
Wellington, E. M. H. 2193, 2734
Wellink, J. 3367
Wells, B. 337
Wells, D. J. 2237, 4935
Wells, F. B. 2294
Wells, R. L. 2337
Wells, V. 357
Welte, T. 3007
Welters, P. 1383
Weltring, K. 1709
Wempe, F. 715
Wen, C. M. 4024
Wen, P. 838
Wen, Y. X. 1066
Wen, Z. 5090
Wendel, J. F. 2965
Weng, A. 5726
Weng, J. 1838, 2958
Weng, Y. 4429
Wenger, R. H. 2420
Wenzel, G. 1198, 1584, 2798, 2854, 6657
Werbajh, S. 3533
Werck-Reichhart, D. 5116
Werff, F. van der 2218
Werner, D. 265, 5562
Werner, D. J. 2305, 4157
Werner, H. 5181
Werner, R. 4571
Werner, S. 597
Wernicke, W. 1032
Wernsman, E. A. 3850, 4109
Werr, W. 6289
Wershil, B. K. 2393
Wert, S. E. 2421
Werth, C. R. 2484
Wesenberg, D. 3636
Wesley, C. S. 3134
Wesonga, D. 6173
Wessler, S. R. 2439, 3569, 5878
West, A. K. 1445
West, B. L. 5159
West, C. P. 3673
West, J. 4160, 6551
West, J. A. 3370
West, K. M. 1315
West, S. C. 6445
Westaway, D. 901, 2832
Westcot, D. M. 446
Westcott, A. J. 2759
Wester, L. 3042
Westerlaken, L. A. J. van der 6679
Westhoff, P. 1360
Westhusin, M. 1514
Westhusin, M. E. 6060
Weston, P. H. 1455
Westphal, H. 3404
Westphal, L. 5920
Wetering, M. van de 694, 839
Weterings, B. 1929
Wetherall, J. D. 4673
Wettstein, D. von 2465
Wetzstein, H. Y. 484, 2114, 3173, 5383
Wevrick, R. 919
Weyens, G. 6522
Weyer, K. A. 3947
Weyers, E. 2497
Weymann, K. 1160
Weyne, M. 112
Whalen, R. G. 1664
Wheaton, J. E. 1595
Wheeler, M. B. 2490, 2504, 2531, 2691, 3879, 4666, 5352
Whelan, J. 4572
Whipkey, A. 4823
Whitby, J. E. 3887
Whitby, S. N. 3887
Whitcomb, J. M. 2034
White, A. J. 1805, 3791
White, B. A. 1310, 2196, 2504, 4666
White, B. N. 1216
White, B. R. 2691, 3879
White, C. 5240
White, D. W. R. 2380, 4434, 4955, 5401
White, E. E. 399, 1013
White, H. B., III 2331
White, I. R. 5103
White, J. H. 5062
White, J. J. 4444
White, M. A. 1895
White, M. E. 4669
White, M. J. 5102
White, M. M. 1789
White, O. 755
White, P. C. 1227
White, R. 772
White, R. F. 136, 3383
White, R. K. 2706
White, R. W. G. 910
White, S. W. 5956
White, T. C. 3888
Whitecross, M. 1363
Whitecross, M. I. 3224
Whitehead, A. S. 1785
Whitehead, I. M. 4450
Whitelam, G. C. 1731, 1908, 5679, 6436
Whitelaw, E. 2237
Whiteley, M. 770
Whitfeld, P. R. 3465
Whitfield, J. F. 1308
Whitford, H. W. 1477
Whitkus, R. 5303
Whitsett, J. A. 2313, 2421
Whittaker, C. C. 5956
Whittier, R. F. 4023
Whittingham, D. G. 6050
Whittington, J. 3051
Whittner, M. 1705
Whyatt, L. M. 4936
Wichers, H. J. 151
Wick, P. F. 628
Wickremesinhe, E. R. M. 2285
Wicks, R. E. 4573

Widell, S. 2671
Widen, S. G. 769
Widholm, J. M. 544, 623
Wieczorek, D. F. 2409
Wiedermann, G. 64
Wiedmann, M. 6452
Wiekowski, M. 2422
Wienand, U. 2373, 5639
Wienecke, R. 3156
Wieneke, U. 631
Wierzbicki, A. 1293
Wiesenborn, D. P. 6170
Wiggans , G. R. 1662
Wiggert, B. 3114
Wight, C. P. 1724
Wiid, I. 6582
Wijk, J. van 3821
Wikenheiser, K. A. 2313
Wikler, K. 2183
Wild, A. 2959, 6307
Wilde, C. J. 5031
Wilde, R. J. 3578
Wilder, C. D. 2146
Wilder, R. L. 1938, 3592, 4136
Wildey, G. M. 4596
Wildt, D. E. 2055
Wilen, R. W. 6715
Wilhelm, K. S. 2485, 5092
Wilhelm, R. 2809
Wilke, K. 3076, 4130
Wilkemeyer, M. F. 5083
Wilker, C. 530
Wilkerson, C. W. 4746
Wilkes, T. J. 1973
Wilkins, J. F. 3248
Wilkins, T. A. 229, 4220
Wilkinson, D. G. 2423
Wilkinson, J. E. 5241
Wilkinson, M. 1090
Wilks, A. 889
Wilks, C. R. 420
Will, G. 2249
Willadsen, S. 1141
Wille, W. 2859
Willekens, H. 3788
Willems, H. 3154, 4774
Willems, K. 3202
Willems, P. 2352
Willems, P. R. 360
Willemse, A. H. 6069
Willemse, J. C. 4338
Willey, J. C. 5936
William, M. D. H. M. 5316
Williams, A. G. 2717
Williams, A. H. 3245
Williams, B. O. 3402
Williams, C. E. 5957
Williams, D. E. 2330
Williams, D. H. 4878, 6063
Williams, E. A. 3005
Williams, H. 1422
Williams, J. 5704
Williams, J. A. 196
Williams, J. G. 3135, 3292
Williams, J. G. K. 1449, 2002
Williams, J. H. H. 5687
Williams, K. 5625
Williams, K. M. 6729
Williams, L. T. 597
Williams, M. A. J. 2170
Williams, M. E. 5535, 5558
Williams, P. H. 1711
Williams, R. D. 3399
Williams, R. E. 340
Williams, R. R. 4299
Williams, R. S. 4550
Williams, R. T. 2718
Williams, S. A. 6437
Williams, S. E. 1795, 6080
Williamson, C. L. 745, 6328
Williamson, J. D. 3043
Williamson, P. 357, 1940
Williamson, R. 4384
Williamson, V. 3097
Williamson, V. M. 3912
Willis, D. K. 106
Willis, J. H. 6189
Willis, P. 6049
Willison, K. 5054
Willison, K. R. 784
Willmitzer, L. 317, 326, 355, 1996, 2361, 3345, 4641, 5657, 5668, 6385
Wills, C. 4508
Willse, A. G. 717
Willson, P. J. 65
Wilmut, I. 2044, 2610, 4849, 5375
Wils, C. 5969
Wilske, B. 2249
Wilson, A. C. 6571
Wilson, C. 1289
Wilson, C. A. 3938
Wilson, C. B. 3510
Wilson, D. B. 5566
Wilson, D. P. M. 6658
Wilson, E. M. 2396
Wilson, F. A. 5145
Wilson, F. D. 3913
Wilson, G. 610
Wilson, H. E. 6476
Wilson, I. D. 871
Wilson, J. 989
Wilson, J. J. 1423
Wilson, J. M. 1596, 4937, 5477
Wilson, J. W. 6036
Wilson, K. 2458
Wilson, L. 60
Wilson, M. 6725
Wilson, M. A. 6248
Wilson, P. M. W. 6036
Wilson, R. 5802
Wilson, R. C. 5130, 6329
Wilson, R. K. 6298
Wilson, R. W. 1752, 5479
Wilson, S. H. 769
Wilson, S. M. 636
Wilson, T. G. J. 1165
Wilson, T. J. 4013
Wilson, T. M. 2925
Wilson, T. M. A. 1331
Wimpee, C. F. 1795
Winberg, B. C. 1839
Winberg, G. 3317
Windass, J. D. 2919
Windeck, T. 4425
Windels, H. F. 1595
Windisch, W. 4342
Windle, B. 4754
Windon, R. G. 2248
Windsor, D. P. 4803, 6697
Winefield, C. S. 5131
Wing, J. F. 2469
Wing, R. A. 933, 2035, 4194, 5271
Winge, P. 1286
Wingender, R. 293, 1540
Wingsle, G. 3792, 5811
Winicov, I. 230
Winistorfer, S. C. 3111-3112
Wink, M. 2283, 3393
Winkelman, D. C. 6495
Winking, H. 3046
Winkler, H. 803
Winkler, R. G. 5931-5932
Winstanley, C. 2193
Winter, J. de 5381
Winterer, J. 1171, 1635
Wintergerst, E. 781
Winterhalter, K. H. 1232
Wintermantel, W. M. 2267
Winterø, A. K. 1942, 3609, 4124
Winters, A. K. 6505
Winton, J. R. 1470
Wintz, H. 5802
Winzeler, H. 4989
Winzeler, M. 4989
Wipf-Scheibel, C. 116
Wirth, M. 1103
Wirth, T. 2807
Wisden, W. 1870
Wise, R. P. 6076
Wiseman, R. W. 5256
Wishart, M. J. 196
Wisman, E. 1290
Wisniewski, J. 2819
Wisniewski, M. E. 6352
Wissenbach, M. 346
Wissing, J. B. 2093, 5980
Wissinger, B. 4622
Wit, A. A. C. de 6069
Wit, E. de 1772
Wit, L. de 3540
Wit, P. J. G. M. de 99, 1707, 3914-3915, 4433
Withers, L. A. 5283
Withler, R. E. 1420
Witman, G. 4938
Witrzens, B. 5481
Witsenboer, H. 1178
Witte, B. 3904
Witte, L. 4445
Wittenberg, B. A. 2208
Wittenbrink, M. M. 2585
Witthuhn, B. A. 5077
Witty, M. 1931
Witzgall, R. 3461
Wobus, U. 1896, 5647
Woerdenbag, H. J. 2284
Wohlfarth, T. 1256
Wohlwend, A. 2892
Wöhrmann, K. 1646
Wojchowski, D. M. 566
Wojciechowski, M. F. 2378
Wolf, C. R. 2885
Wolf, E. 1744
Wolf, G. 3906
Wolf, S. 1717, 6198
Wolfe, K. H. 218, 3475
Wolferen, M. van 4686
Wolff, J. 692
Wolff, J. A. 4378
Wolff, J. E. 3769
Wolff, J. L. C. 3094
Wolff, K. 2013-2014, 3095, 6556
Wolffe, A. P. 830
Wolfraim, L. A. 2969
Wolgemuth, D. J. 2981
Wolitzky, B. A. 5014
Wolkoff, A. W. 2325
Wollenberg, K. R. 1431
Wollgarten, B. E. 2071
Wollman, E. E. 6230
Wolosiuk, R. A. 4559
Wolstenholme, D. R. 5705
Wolter, F. P. 2755, 5205
Wolters, A. M. A. 2218
Wolyn, D. J. 6585
Womack, J. 6478
Womack, J. E. 370, 888, 896, 2514, 2517, 3056, 3069, 3071, 3073, 3589, 3591, 3598, 3603, 3616, 4684, 4688-4689, 5074, 5255, 5604-5605, 6451, 6492
Wong, E. A. 3446, 5015
Wong, J. P. 5012
Wong, K. K. 814, 5180
Wong, L. M. 2477
Wong, R. B. 423
Wong, S. H. 712
Wong, S. M. 135
Woo, S. H. 3783
Woo, S. L. C. 2206, 2765-2766
Wood, A. J. 5706
Wood, C. 5625
Wood, D. 2028
Wood, D. O. 1149, 5588
Wood, E. R. 1791
Wood, J. N. 813
Wood, M. J. 6050
Wood, N. J. 373, 1412, 1424, 1957, 2537
Wood, P. A. 920
Wood, P. R. 698
Wood, S. A. 2072
Wood, W. B. 3371
Wood, W. G. 2237
Woodfield, D. R. 5897
Woodgett, J. R. 2929
Woodhouse, C. S. 3326
Woodley, P. 204
Woodman, W. 5303
Woodman, W. L. 3362, 6180
Woods, A. 4415
Woods, D. E. 5012
Woods, G. L. 2070
Woods, J. E. 6659
Woods, R. D. 136
Woods, S. H. 6659
Woodson, W. R. 285, 2486, 3496
Woodward, M. J. 2039
Woodworth, M. E. 876
Woody, C. 37
Woody, C. O. 5740
Wool, I. 3990
Wool, I. G. 3428, 3939
Woolaston, R. R. 881
Woolley, J. G. 6204
Woolliams, J. A. 2201, 3077
Woolner, E. M. 1816
Wootton, J. C. 6335
Worden, R. M. 6087
World Food Regulation Review 6106-6107
World Health Organization 3822
Worrall, D. 1806
Worrell, R. A. 3425
Woychik, R. P. 805
Wozniak, C. A. 4398
Wragg, M. 1939
Wray, J. L. 5236
Wray, V. 4445
Wricke, G. 5431, 5915, 5920
Wright, C. V. E. 5026
Wright, D. J. M. 4764
Wright, I. G. 62
Wright, J. C. 3240
Wright, J. M. 431, 639, 880, 3092
Wright, R. J. 163
Wright, R. W., Jr. 4868-4869
Wright, S. 874, 5925
Wrigley, C. W. 541
Wrischer, M. 3859
Wroblewski, J. M. 3078
Wrubel, R. 552
Wu, A. Z. 4435
Wu, B. 979
Wu, C. H. 562, 2026
Wu, D. 88
Wu, F. F. 3912
Wu, G. S. 1727
Wu, G. Y. 562
Wu, H. B. 347
Wu, H. K. 6438
Wu, H. L. 4148
Wu, H. M. 231, 2482
Wu, H. X. 1033
Wu, I. H. 4894
Wu, J. H. D. 5870
Wu, J. Y. 462
Wu, J. Z. 5911
Wu, K. 214
Wu, K. Q. 3931, 5010
Wu, K. S. 1450, 2551
Wu, L. 348, 5721
Wu, L. C. 1235, 1723
Wu, M. 135, 1817, 4024
Wu, M. C. 6442
Wu, M. J. 656
Wu, N. H. 209
Wu, Q. 5856
Wu, R. 51, 858, 1265, 5467, 6430, 6447, 6766
Wu, R. L. 5194
Wu, S. 840
Wu, S. H. 6717
Wu, S. K. 5194
Wu, T. Y. 51, 2957
Wu, W. F. 4313
Wu, X. R. 3616, 4689, 5604-5605
Wu, Y. 756
Wu, Z. L. 4806, 5530
Wu-Hsieh, B. A. 4430
Wubben, J. P. 3914
Wulf, G. M. 5765
Wüllrich, A. 4519
Wünn, J. 1677, 6615
Wurch, T. 121
Wurst, H. 939
Wurst, W. 191, 2295
Wurtele, E. S. 851
Wyamn, C. E. 6090
Wylegalla, C. 5980
Wyler, A. 1415
Wyndham, F. S. 2183
Xanthopoulos, K. G. 797
Xavier-Filho, J. 1254

Xhou, G. 801
Xi, S. X. 6290
Xi, Y. A. 2116
Xia, B. S. 5707
Xia, Z. A. 577
Xia, Z. Q. 4490
Xiang, D. J. 2276
Xiang, Q. Y. 1795, 1840
Xiang, Y. B. 1034
Xiang, Z. 4192
Xiao, S. H. 353
Xiao, S. Y. 26
Xiao, X. G. 3221
Xie, D. X. 4733
Xie, G. X. 3441, 5084
Xie, H. 4761, 6504
Xie, J. 2316
Xie, W. S. 136, 3383
Xie, Y. 108, 858
Xie, Y. F. 4123
Xin, H. 232
Xin, L. 2235
Xin, Z. 5809
Xing, Y. J. 3377
Xoconostle-Cázares, B. 1291
Xu, A. 4065
Xu, C. 3008, 5194
Xu, D. P. 51
Xu, F. Z. 6038
Xu, J. 6439
Xu, L. 3009
Xu, L. B. 6610
Xu, M. Q. 434
Xu, P. 4077
Xu, R. 2424
Xu, S. F. 4313
Xu, S. H. 5871
Xu, W. 4979
Xu, W. F. 1292
Xu, W. W. 4195
Xu, X. L. 284
Xu, X. M. 349
Xu, X. P. 2792
Xu, Y. 233, 1538
Xu, Z. 2242
Xu, Z. H. 1031, 1035, 2658, 4301
Xue, J. L. 6082
Xue, J. P. 1384
Xue, X. X. 3229
Xue, Y. B. 2363, 5708
Xue, Z. T. 5100
Xuhan, X. 6660
Yabe, N. 5849
Yabushita, T. 6291
Yadav, M. C. 508, 3766
Yadav, N. 3491
Yadav, N. S. 1293, 6272
Yadava, N. 2630
Yagami, K. 583
Yagami, K. I. 3338
Yagi, T. 620, 3409-3410, 3421
Yagisawa, H. 2762
Yakovlev, G. I. 6013
Yamada, H. 5085
Yamada, J. 1952, 4695, 5254
Yamada, K. 6009
Yamada, M. 4792, 5734
Yamada, N. 5509
Yamada, S. 3010
Yamada, T. 3059, 3222, 5254
Yamada, Y. 140, 3389, 4484, 4551, 4633, 5649, 5933, 6276
Yamada, Y. T. 5670
Yamaga, Y. 3752
Yamagata, H. 5777
Yamagishi, H. 5432
Yamagishi, M. 1062
Yamagishi, T. 6234
Yamaguchi, J. 578, 6545
Yamaguchi, M. 3454
Yamaguchi, R. 3450, 5860
Yamaguchi, T. 5608, 6029
Yamaguchi, Y. 5085
Yamaguchi-Shinozaki, K. 2369, 2722, 4358, 5448, 6279
Yamakawa, S. 5709
Yamakawa, Y. 5078
Yamakuni, T. 5078
Yamamoto, A. 190
Yamamoto, H. 190, 808, 2913, 2987, 3779, 4491
Yamamoto, J. 1841
Yamamoto, K. 3022, 4708, 5509, 5606, 5911
Yamamoto, K. R. 788
Yamamoto, K. T. 6440
Yamamoto, M. 531, 603, 674, 975, 3228, 5429, 5933
Yamamoto, N. 1697, 4025
Yamamoto, O. 5173
Yamamoto, R. 1495, 1509
Yamamoto, S. 2582
Yamamoto, T. 1781, 5252
Yamamoto, Y. 234, 1531
Yamamoto-Toyoda, A. 1111
Yamamoto-Yamaguchi, Y. 5761
Yamanaka, M. 1504
Yamanaka, M. K. 2254
Yamane, K. 4416
Yamano, S. 1729
Yamanoto, K. 4416
Yamanouchi, M. 4139
Yamashita, H. 5862
Yamashita, M. 2637
Yamashita, S. 3010, 6671
Yamashita, T. 2820, 3353
Yamauchi, D. 4568
Yamazaki, K. 2461, 5655
Yamemoto, H. 3410
Yan, C. J. 1033
Yan, J. J. 3378
Yan, J. Z. 209
Yan, K. 4491
Yan, Q. S. 1033, 1036
Yan, Y. S. 1508
Yan YanSheng 1508
Yanagawa, S. 2015
Yanagi, M. 1736, 3185
Yanagida, N. 85
Yanagihara, K. 814
Yanagihara, S. 673
Yanagihara, T. 5075
Yanagihara, Y. 1700, 3882
Yanagisawa, T. 1403, 5893
Yaneshita, M. 4734
Yang, A. J. 1385
Yang, B. 5958
Yang, B. K. 980
Yang, B. S. 4789, 4795
Yang, C. D. 4300
Yang, C. H. 2487
Yang, C. P. 2693
Yang, E. 5478
Yang, G. 131
Yang, H. 921, 2970
Yang, J. 2704
Yang, J. J. 6441
Yang, J. S. 1442, 2016
Yang, L. 5403
Yang, M. Z. 3347, 4103
Yang, N. 3521
Yang, P. 1362
Yang, S. 5611
Yang, S. F. 6517
Yang, S. L. 593, 2832, 3873
Yang, T. P. 5948
Yang, V. W. 1862
Yang, W. C. 205, 730, 2362
Yang, W. P. 1263
Yang, W. Y. 3412, 3894
Yang, X. 980, 1582, 4872, 5195
Yang, X. D. 2238
Yang, X. F. 5619
Yang, X. Z. 981, 6047
Yang, Y. 4937
Yang, Y. M. 3223
Yang, Z. 6330
Yang, Z. B. 5710
Yang, Z. N. 4301
Yang, Z. P. 4187
Yano, A. 2379
Yano, M. 4585, 4719, 5911
Yanofsky, M. F. 1832, 1928, 3482, 4018
Yao, D. Y. 1039
Yao, J. L. 5934
Yao, S. M. 24
Yao, W. G. 5553
Yao, Y. G. 461
Yao, Z. 2222
Yapabandara, Y. M. H. B. 49
Yaron, Z. 4326
Yarowsky, P. J. 5577
Yarrow, S. 6616
Yarus, S. 5167
Yasuda, H. 1792
Yasuda, K. 197
Yasuda, T. 6029
Yasuda, Y. 596, 1948
Yasue, H. 3617
Yasui, Y. 673
Yasukochi, Y. 5927
Yasunaga, K. 5050
Yasutani, I. 6661
Yates, I. E. 573
Yatsunami, K. 1841
Yayon, A. 1300
Yazaki, K. 4485, 4487
Yazaki, N. 716
Yazaki, Y. 5509
Yazawa, S. 2659
Ye, F. 746, 3136
Ye, G. N. 6574
Ye, K. N. 1037, 4302
Ye, X. F. 577
Ye, Z. H. 2488
Ye, Z. X. 4435
Yean, L. H. 2876
Yee, J. K. 12
Yee, S. P. 598
Yeh, C. H. 4905, 5702
Yeh, F. T. 2277
Yeh, K. C. 6442
Yeh, K. W. 1814, 4905, 5702
Yeh, S. D. 1728, 2586
Yelenosky, G. 2113
Yelich, J. V. 3249
Yelle, S. 726, 4629, 5109
Yen, G. 4597
Yen, H. C. 5819
Yen, L. F. 209
Yeo, J. S. 6588
Yeong, C. Y. 135, 1817
Yepes, L. M. 6662
Yerk, G. L. 5935
Yerle, M. 900, 906, 3079, 3620
Yerneni, P. C. 562
Yesodi, V. 534
Yeung, C. Y. 2382
Yeung, E. C. 5395, 6017
Yeung, R. S. 1965
Yeung, R. S. M. 2821
Yi, T. 5077, 5867
Yi, Y. 5132
Yibrah, H. S. 1119
Yin, J. H. 1587
Yin, W. 2389
Yin, Y. P. 3457
Ying, L. 4970
Ying, S. Y. 4066
Yip, P. K. 3949
Ylstra, B. 6443
Yocca, F. D. 1870
Yoder, J. I. 2822, 4399, 6377
Yoder, M. 1172
Yoder, O. C. 131
Yoffe, O. 356, 1416
Yokogawa, T. 2924
Yokoi, T. 4044
Yokota, S. 1213
Yokota, T. 3213
Yokoyama, M. 1736, 3185, 6209
Yokoyama, R. 5857, 6625
Yolken, R. 5958
Yom, H. C. 4975
Yomogida, K. 674, 3185
Yonai, M. 2050
Yoneda, F. 4485
Yonekura, H. 2913, 5616
Yonemichi, H. 1504
Yonemura, S. 1214
Yonezawa, N. 4873
Yoo, H. J. 5382
Yoo, J. 4119
Yoo, O. J. 185, 960, 4944
Yoo, Y. B. 4303
Yoo-Warren, H. 717
Yoon, E. S. 2556
Yoon, J. H. 2918
Yoon, S. O. 4034
Yorifuji, T. 5479
Yoshiba, Y. 1003
Yoshida, K. 350, 3261, 5812, 6415
Yoshida, M. 1051-1052, 2670, 3421
Yoshida, M. C. 3424, 4685
Yoshida, S. 85
Yoshida, T. 841, 1608
Yoshida, Y. 5055
Yoshigi, N. 6331
Yoshikane, Y. 5362
Yoshikawa, F. T. 2592
Yoshikawa, T. 4443, 4478, 4809, 5442
Yoshimoto, K. 5748
Yoshimura, A. 387, 393, 400
Yoshimura, M. 790
Yoshimura, S. 400
Yoshimura, Y. 190, 2135
Yoshinaga, A. 2135
Yoshinaga, M. 1038
Yoshinaga, T. 5590
Yoshino, K. 5896
Yoshioka, H. 4412
Yoshioka, K. 4245
Yoshioka, T. 2670
Yoshioka, Y. 235, 1111
Yoshisue, H. 3261
Yoshizawa, M. 4873
Yot, P. 1714
You, C. B. 1093
You, G. 2926
Young, A. L. 6120, 6734
Young, A. P. 2316
Young, A. S. 6173
Young, F. E. 6738
Young, J. A. T. 2317
Young, J. C. 4656
Young, J. P. W. 173
Young, J. R. 2498, 3068, 3586
Young, L. H. 2888
Young, L. J. 826
Young, M. 1091, 2842
Young, M. F. 2993, 4696
Young, M. W. 3134
Young, N. 6513
Young, N. D. 392, 3895, 4196, 4437-4438
Young, R. 65
Young, R. B. 5086
Young, R. E. 464
Young, R. J. 2375, 5711
Young, R. M. 1449
Young, S. G. 2222
Young, T. E. 6332
Young, W. J. 5350
Youngs, C. R. 4805
Youssefian, S. 2179
Youssoufian, H. 5766
Yu, B. Y. 4441
Yu, C. W. 3462
Yu, D. Q. 4302
Yu, D. Y. 1137, 1807
Yu, J. 3616, 5604-5605
Yu, J. J. 6333
Yu, K. F. 1451, 2017
Yu, L. C. 2536, 5087
Yu, L. M. 1332
Yu, L. X. 3096
Yu, M. 5942
Yu, M. M. 349
Yu, S. M. 6424
Yu, T. P. 1966
Yu, V. C. 816
Yu, X. 6321
Yu, X. D. 989
Yu, X. J. 2825
Yu, X. Q. 1833
Yu, Z. H. 6513
Yu-Lee, L. Y. 4497
Yu XueJie 2825
Yuan, C. X. 3864-3865
Yuan, F. H. 5995
Yuan, J. 108
Yuan, M. 4077
Yuan, Q. X. 811-812
Yuan, Y. P. 1407
Yuba, S. 3875
Yucel, I. 1172
Yücel, M. 3313

Yue, D. 1575
Yue, J. X. 462
Yue, X. 2425
Yuen, G. Y. 2593
Yuh, I. S. 2684
Yuki, A. 5504
Yule, T. D. 3339
Yun, C. H. C. 834
Yun, D. J. 3389
Yun, J. S. 2240, 4973
Yun, S. J. 2971
Yun, W. C. 6518
Yunes, J. A. 4117
Yurewicz, E. C. 4527
Yurkova, G. N. 1576
Yuspa, S. H. 597
Yvoré, P. 145
Zaal, B. J. van der 275
Zaal, M. A. C. M. 2634
Zabala, M. T. 5208
Zabaleta, E. 3579
Zabalgogeazcoa, I. 351
Zabarovsky, E. R. 3317
Zabeau, M. 5925
Zabel, P. 1163, 1290, 3097
Zaborsky, O. R. 6742
Zachar, V. 956
Zacharewski, T. R. 1453
Zachgo, J. 2203
Zadworny, D. 1399, 2273
Zafar, S. I. 1550
Zagorska, N. A. 6024
Zagorski, J. 269
Zagoskina, N. V. 3753, 6037
Zahed, L. 5598
Zaid, A. 3694, 3701
Zaiem, I. 1594
Zaim, T. M. 1132
Zaitlin, D. 5959
Zaitlin, M. 2270, 2855
Zákány, J. 584, 599
Zakay, Y. 5536
Zalensky, A. 2362
Zaller, D. M. 4415
Zaman, A. 475
Zamaroczy, M. de 174
Zambonelli, P. 1425, 4667, 4697
Zambryski, P. C. 1112
Zamecnik, M. 4938
Zamecnik, P. 4938
Zamir, D. 5536, 6188
Zanelli, E. 1236
Zanelli, J. S. 3612
Zanetti, R. 1056
Zanlungo, S. 872
Zannis, V. I. 5158
Zanoni, R. G. 413
Zapata, F. J. 1547, 1658
Zaphiropoulos, P. G. 3541
Zaprometov, M. N. 3753, 6037
Zarembinski, T. I. 1294
Zarling, D. A. 3128
Zarnowski, M. J. 4759
Záškodová, J. 3761
Zastawny, R. L. 3989
Zatloukal, K. 4939
Zatylny, A. M. 2180
Zauberman, A. 842
Zavacki, A. M. 2871
Zavgorodnyaya, A. V. 29
Zavriev, S. K. 1715
Zechendorf, B. 6735
Zechner, U. 4150
Zee, A. van der 1772
Zeff, R. A. 832
Zehnacker, C. 4070
Zehner, Z. E. 3001, 3512
Zehr, U. B. 2856
Zeidan, M. 5536, 6188
Zeijst, B. A. M. van der 67, 1503
Zeitler, P. 1936
Žel, J. 3205
Zelcer, A. 466
Zeledón, R. 6121-6122
Zelicof, A. 5620
Zeller, F. J. 1980
Zeller, R. 1301
Zelnik, V. 86
Zeltz, P. 5816
Zeman, M. 1304
Zembayashi, M. 1423
Zeng, D. P. 3377
Zeng, G. Q. 5972
Zeng, G. W. 996
Zeng, Z. B. 2554
Zenk, M. H. 4451, 4480, 4490
Zentgraf, U. 352
Zenzie-Gregory, B. 1761
Zeremski, M. 938
Zetsche, K. 6078
Zeveren, A. van 1396
Zeviani, M. 713
Zevnik, B. 4931
Zha, H. 1938, 3592, 4136
Zhadanov, A. B. 47
Zhan, X. M. 385
Zhan, X. Y. 1064, 4321
Zhang, B. 747, 5747
Zhang, C. 6689
Zhang, D. E. 780
Zhang, F. 5237
Zhang, G. 3044
Zhang, H. 3927, 5129, 6334
Zhang, H. B. 2035, 4194
Zhang, H. D. 1833
Zhang, H. M. 1967, 3622
Zhang, J. 621
Zhang, J. K. 6429
Zhang, J. L. 307, 2968
Zhang, J. N. 1841
Zhang, J. R. 6038, 6627
Zhang, J. W. 4972
Zhang, J. Z. 4655
Zhang, L. 1805, 2387, 3791, 4598, 6101
Zhang, L. L. 24
Zhang, M. P. 5011
Zhang, M. X. 1407
Zhang, N. 6451
Zhang, P. 6039
Zhang, Q. F. 401, 4735
Zhang, Q. M. 6610
Zhang, Q. W. 3377
Zhang, R. 718
Zhang, S. 568, 873
Zhang, S. L. 3229
Zhang, S. Q. 3580
Zhang, W. C. 26
Zhang, W. J. 1066
Zhang, X. D. 915
Zhang, X. J. 6039
Zhang, X. Q. 1033, 1036
Zhang, X. S. 1911, 5227
Zhang, X. Y. 1407
Zhang, Y. 1390
Zhang, Z. 198, 3463
Zhang, Z. S. 3377
Zhang, Z. T. 398
Zhao, C. Z. 4300
Zhao, G. Q. 5088
Zhao, J. O. 2115
Zhao, K. N. 3224
Zhao, S. H. 1509
Zhao, T. H. 6689
Zhao, X. 2149, 3591
Zhao, X. P. 1842
Zhao, X. S. 162
Zhao, Y. 1253, 6444
Zhao, Y. L. 108
Zhao, Y. X. 1039
Zhao, Z. 5539
Zhao, Z. L. 4429
Zhao, Z. S. 4435
Zharkikh, A. 5099
Zhelnin, L. G. 1831
Zheltonozhskaya, L. V. 480, 2635
Zhen, Z. 6627
Zheng, C. C. 1932, 5227
Zheng, F. Q. 2968
Zheng, J. H. 1871
Zheng, K. 5089, 5317
Zheng, K. L. 402, 5917
Zheng, L. 2116
Zheng, X. Q. 1040
Zheng, Z. W. 353
Zhong, G. 5314
Zhong, H. 354, 2793
Zhong, H. H. 4656
Zhong, H. S. 5910
Zhong, J. J. 1608
Zhong, S. 5182
Zhong, Z. 5090
Zhong, Z. X. 3754
Zhou, G. Y. 4187
Zhou, H. 576
Zhou, J. 5712
Zhou, J. H. 3464
Zhou, J. Y. 916, 4323
Zhou, L. J. 4141
Zhou, M. 4528
Zhou, M. D. 5767
Zhou, P. 1236
Zhou, Q. 6610
Zhou, S. C. 4806
Zhou, S. H. 4314
Zhou, X. 3502, 5088
Zhou, X. J. 289
Zhou, X. Q. 4657
Zhou, Z. 1839
Zhu, D. 5713
Zhu, D. Y. 1587
Zhu, G. 4061
Zhu, H. 3332, 5621
Zhu, J. K. 1912
Zhu, L. F. 1075
Zhu, N. 4940
Zhu, Q. 6295
Zhu, S. E. 2061
Zhu, U. 2344
Zhu, X. 1793
Zhu, X. L. 1705
Zhu, Y. 871, 2659
Zhu, Z. 3866
Zhu, Z. Y. 2223
Zhuang, J. 5317
Zhuang, J. Y. 5917
Zhuo, D. G. 5774
Ziegenfuss, P. S. 2718
Ziff, E. B. 4579
Zigler, J. S., Jr. 3943
Zijderveld, M. H. van 2140
Zilberstein, A. 447, 4535
Ziliani, P. 2883
Zilinskas, B. A. 4098
Zilinskas, R. A. 2725, 6738
Zilkah, S. 2660
Zimmer, A. 582, 582
Zimmer, E. A. 1798, 1834, 4566, 6524
Zimmerman, J. L. 2117, 2661
Zimmerman, R. H. 478, 2280, 2303, 2735
Zimmermann, D. 4775
Zimny, J. 5489
Zinder, N. D. 6736
Ziniu, Y. 3950, 4344
Zinkernagel, R. 2809, 2869, 3922
Zinkernagel, R. M. 6214
Zinn, A. R. 3990
Zinovieva, O. 892
Ziomek, C. A. 5965
Zito, F. 1268
Ziv, M. 4954
Zlenko, V. A. 6040
Zlotnik, A. 5043
Zobel, A. M. 6041
Zollo, M. 719, 5341
Zong, X. 5023
Zoonen, P. van 449
Zoorob, R. 3047, 4138, 5253
Zora Singh 5994
Zorinyants, S. E. 3225
Zotte, A. dalle 3256
Zou, J. T. 231
Zou, X. G. 4313
Zou, Y. R. 614, 5007
Zouros, E. 1404
Zrenner, R. 355, 6171
Zseltonozskaya, L. V. 2635
Zuber, M. X. 4586
Zuberi, A. R. 1426
Zuckerindustrie 3796
Zukerberg, L. 6167
Zupan, J. R. 1112
Zur Nieden, U. 6016
Zurawski, S. 5043
Zurek, D. M. 4026, 5242
Zutphen, L. F. M. van 4142
Zutter, M. 5478
Zwicker, H. G. 4658
Zwingman, T. 5756
Zygoyiannis, D. 532
Zyprian, E. 1975

SUBJECT INDEX

6β-Hydroxyhyoscyamine, genetic transformation, *Atropa belladonna* 3389
Abies grandis
RNA
extraction 6573
techniques 6573
Abies nordmanniana, *in vitro* culture, cryopreservation 1562
Abnormalities
asymmetry, insertional mutagenesis, transgenics, mice 1135
hair
epidermal growth factor, receptors, nucleotide sequences, mutations, mice 3967
insertional mutagenesis, transgenics, mice 3874
muscles, ryanodine, receptors, targeted mutagenesis, mice 6215
skeleton, collagen, mutations, transgenics, mice 1693
somatotropin, gene transfer, rats 6163
spermatozoa, herpes simplex virus, thymidine kinase, transgenics, mice 4967
thyroid gland, major histocompatibility complex, gene expression, transgenics, mice 1692
Abscisic acid
cell division, *Pisum sativum* 4828
DNA binding proteins, *Craterostigma plantagineum* 4634
embryo culture, *Pisum sativum* 4828
gene expression 3556
Arabidopsis thaliana 2485, 4653, 4906, 5092, 5704, 6712
Bromus inermis 6715
cereals 304
Craterostigma plantagineum 4634, 4901
Helianthus annuus 5834
Hordeum vulgare 304
Nicotiana tabacum 5834
Oryza sativa 545
Picea glauca 4608
Pisum sativum 3481
plants, reviews 1615
Triticum aestivum 2356
Zea mays 279, 313, 4614, 5240, 6416, 6709
gene mapping
Elymus elongatus 4701
Triticum aestivum 4701
mutations, *Zea mays* 279, 6416
nucleotide sequences 3556
Arabidopsis thaliana 2485, 5092, 5115, 5118
Lycopersicon chilense 3471
Lycopersicon esculentum 5680
Pisum sativum 3481
Triticum aestivum 2356
promoters
Arabidopsis thaliana 5092
Craterostigma plantagineum 4634, 4901
Helianthus annuus 5834
Nicotiana tabacum 5834
plants, reviews 1615
tissue culture
Dactylis glomerata 2616
Prunus avium 493
Abscission
gene expression, *Glycine max* 5215
gene mapping, *Lycopersicon esculentum* 4194
nucleotide sequences, *Glycine max* 5215
Acacia confusa
gene expression, trypsin inhibitors 1810
nucleotide sequences, trypsin inhibitors 1810
Acacia senegal, tissue culture 986
ACC deaminase
gene expression, *Lycopersicon esculentum* 855
ACC deaminase *cont.*
genetic transformation, *Lycopersicon esculentum* 855
ACC oxidase
antibodies
Lycopersicon esculentum 4776
Malus pumila 4776
gene expression
Arabidopsis thaliana 334
Dianthus caryophyllus 285
Persea americana 1923
Phalaenopsis 1911
genetic engineering
Arabidopsis thaliana 334
Malus pumila 871
genetic transformation, *Lycopersicon esculentum* 2472
nucleotide sequences, *Petunia hybrida* 3496
polyclonal antibodies, *Lycopersicon esculentum* 2472
promoters, *Arabidopsis thaliana* 334
ACC synthase
gene expression
Arabidopsis thaliana 334
Dianthus caryophyllus 285
Lycopersicon esculentum 2477
Oryza sativa 1294
genetic engineering
Arabidopsis thaliana 334
Lycopersicon esculentum 2477, 5819
genetic transformation, *Lycopersicon esculentum* 2477
mutations, *Lycopersicon esculentum* 5819
nucleotide sequences
Arabidopsis thaliana 2366
Brassica juncea 4024
Oryza sativa 1294
promoters, *Arabidopsis thaliana* 334
Acca sellowiana, anther culture 4315
Accessory chromosomes
DNA hybridization
Secale cereale 1973
Zea mays 2346
nucleotide sequences, *Zea mays* 2346
restriction fragment length polymorphism, *Secale cereale* 1973
Acetolactate synthase
gene expression, *Nicotiana tabacum* 854
in vitro selection
Brassica napus 2271
Nicotiana tabacum 2298
mutations, *Arabidopsis thaliana* 4439
recombination, *Arabidopsis thaliana* 4439
selectable markers, *Arabidopsis thaliana* 4439
Acetone
tissue culture
Allium cepa 505
Allium sativum 505
Brassica oleracea 505
Triticum aestivum 505
Acetyl-CoA carboxylase
antibodies, *Zea mays* 3465
gene expression
Arabidopsis thaliana 6305
Medicago sativa 5692
nucleotide sequences
Arabidopsis thaliana 6305
Medicago sativa 5692
Triticum aestivum 3476
Zea mays 3465
promoters, transcription, DNA binding proteins, rats 5187
Acetylcholine
oocytes, activation, G proteins, receptors, mice 3236
receptors
nucleotide sequences
insects 2919
mice 3959
promoters
nucleotide sequences, rats 5195
Acetylcholine *cont.*
receptors *cont.*
promoters *cont.*
transcription, DNA binding proteins, rats 5195
Acetylcholinesterase, RNA, alternative splicing, gene expression, mice 799
Acid glycoproteins
transcription
glucocorticoids, rats 3526
interleukins, rats 3526
Acid invertase
gene expression
Lycopersicon chmielewskii 2451
Lycopersicon esculentum 2451
Acid phosphatase
molecular genetics, plants, reviews 4609
nucleotide sequences, mice 2886
promoters
gene expression, iron, mice 2978
Glycine max 5839
transcription factors, *Glycine max* 5839
Acid protease, gene expression, *Medicago sativa* 1371
Aconitate hydratase
gene mapping, mitochondria, cells, fusion, cattle 6492
restriction fragment length polymorphism, cattle 6492
Aconitate hydrolase, restriction fragment length polymorphism, sheep 5074
Acorus calamus
gene expression
alcohol dehydrogenase 1610
anoxia 1610
fructose-bisphosphate aldolase 1610
pyruvate decarboxylase 1610
Acremonium, molecular genetics, evolution 2314
Acridone synthase, cell culture, *Ruta graveolens* 3727
Acroptilon repens
biological control, *Subanguina picridis* 495
tissue culture, *Subanguina picridis* 495
Acrosome
proteins
nucleotide sequences
spermatozoa
guineapigs 5020
pigs 5020
Actin
enhancers, transcription, regulation, transgenics, fishes 590
filament associated proteins, nucleotide sequences, fowls 5039
gene expression
Agrostis stolonifera 354
Avena sativa 4072
gene mapping, polymerase chain reaction, satellite DNA, mice 878
genetic engineering, *Oryza sativa* 354, 1885
genetic transformation
Agrostis stolonifera 354
Oryza sativa 51
molecular genetics 4028
Avena sativa 4072
promoters
gene expression
fowls 2235
transgenics, embryos, mice 2235
gene transfer
gene expression
muscles, mice 3322
myocardium, mice 3322
Oryza sativa 51, 354, 1885
transcription, regulation, transgenics, fishes 590
restriction fragment length polymorphism, pigs 5866
Actinidia
chloroplast genetics 5884
polymerase chain reaction 5884

Actinidia deliciosa
gene expression, cysteine proteinases 1353
genetic engineering, cysteine proteinases 1353
genetic transformation
Agrobacterium 2780
techniques 2780
nucleotide sequences
cysteine proteinases 1353
polygalacturonase 3466
protoplasts 2633
tissue culture 4260
carbohydrates 4827
Actinidia kolomikta, tissue culture 4269
Actinin
gene expression, pigs 6241
restriction fragment length polymorphism, pigs 2530
Actinobacillus pleuropneumoniae
ELISA, pigs 1474
toxins
genes, nomenclature 65
nucleotide sequences 1142
Activin
gene expression
DNA hybridization, rats 4033
mammals, reviews 4066
nucleotide sequences, fishes 2895
oocytes, *in vitro* maturation, cattle 5413
receptors
gene expression, cell lines 2341
nucleotide sequences, rats 2341
targeted mutagenesis
eyelids, mice 3925
reproduction, mice 3925
Acyl-acyl-carrier-protein desaturase
DNA hybridization, *Brassica napus* 2438
gene expression
Brassica napus 2438, 6311
Nicotiana tabacum 6311
genetic transformation, *Nicotiana tabacum* 6311
nucleotide sequences
Brassica napus 6311
Linum usitatissimum 5694
Acyl carrier protein
mitochondrial genetics, *Arabidopsis thaliana* 6308
nucleotide sequences, *Arabidopsis thaliana* 6308
Acyl-carrier-protein thioesterase
gene expression, *Brassica napus* 1816
nucleotide sequences
Arabidopsis thaliana 4003
Brassica napus 1816
Addressin, nucleotide sequences, lymphocytes, mice 5024
Adenine nucleotide translocator, nucleotide sequences, *Arabidopsis thaliana* 1283
Adenine phosphoribosyltransferase
targeted mutagenesis
cell lines, hamsters 5551
plasmids, vectors, cell lines, hamsters 5552
Adenosine
analogues, oocytes, *in vitro* maturation, cattle 5403
receptors, nucleotide sequences, rabbits 1203
Adenosine deaminase, promoters, transcription, mice 2382
Adenosinetriphosphatase
cell culture, *Daucus carota* 5987
chloroplast genetics
Cucurbita pepo 2176
Nicotiana tabacum 6395
Spinacia oleracea 6380
DNA libraries, *Oryza sativa* 385
gene expression
Arabidopsis thaliana 4006, 5652
Atriplex nummularia 1912, 2720
Beta vulgaris 5708
Cucurbita pepo 2176
Nicotiana plumbaginifolia 4605
Nicotiana tabacum 2720, 4006, 6395
Pisum sativum 1915
rats 1221
Spinacia oleracea 6380
gene mapping
Arabidopsis thaliana 5652

Adenosinetriphosphatase *cont.*
gene mapping *cont.*
DNA hybridization, pigs 900
restriction fragment length polymorphism, mice 3608
genetic engineering, *Arabidopsis thaliana* 4006
genetic transformation, *Nicotiana tabacum* 4006
inhibitors
nucleotide sequences
liver, rats 5591
rats 4507
mitochondria, nucleotide sequences, rats 4507
mitochondrial genetics
Beta vulgaris 221
Brassica napus 1076
cytoplasmic male sterility, *Oryza sativa* 4090
Glycine max 1244
Oryza sativa 385
Zea mays 857, 5953
nucleotide sequences
Arabidopsis thaliana 4006, 5652
Beta vulgaris 221, 5708
Brassica napus 1341
cattle 1221
fowls 709
Glycine max 1244, 4554
Gossypium hirsutum 229
Hordeum vulgare 5095
mice 1221
mitochondrial genetics, *Pisum sativum* 1835
Raphanus sativus 3483
rats 1221
sheep 1221
promoters
Nicotiana plumbaginifolia 4605
Zea mays 5953
restriction fragment length polymorphism, pigs 900
RNA editing
Brassica napus 1341
cytoplasmic male sterility, *Oryza sativa* 4090
Glycine max 4554
Raphanus sativus 3483
Triticum aestivum 5769
Zea mays 857
targeted mutagenesis, embryonic stem cells, mice 5547
Adenosylhomocysteinase
gene expression, *Triticum aestivum* 6714
nucleotide sequences, *Catharanthus roseus* 5686
Adenosylmethionine decarboxylase
gene expression, *Nicotiana tabacum* 4636
genetic transformation, *Nicotiana tabacum* 4636
Adenosylmethionine methyltransferase, cell culture, *Ailanthus altissima* 3736
Adenosylmethionine synthetase
gene expression, *Lycopersicon esculentum* 5635
nucleotide sequences
Lycopersicon esculentum 5635
Populus interamericana 2939
Adenoviridae
DNA binding proteins, promoters, transcription, animals 5165
gene transfer, vectors, DNA methylation, insertional mutagenesis, reviews 4385
liposomes, interleukins, transfection, gene expression, cell lines, rats 3845
liver cells, reporter genes, gene transfer, gene expression, mice 2766
transferrin, gene transfer, lungs, rats 5472
vectors
blood coagulation factors, gene transfer, liver cells, gene therapy, mice 2206
gene therapy, liver cells, mice 4937
gene transfer
liver cells, mice 4937
muscles, cells, rats 2208
myocardium, rats 2208
tumour necrosis factor, inhibitor, mice 2209

Adenoviridae *cont.*
vectors *cont.*
targeted mutagenesis, mutations, correction 5551
Adenylate cyclase
activating polypeptide
receptors
gene expression
cell lines 1315
pituitary, rats 3532
nucleotide sequences
pituitary, rats 3532
rats 1315
RNA, alternative splicing, pituitary, rats 3532
restriction fragment length polymorphism, sheep 2537
activating protein
gene expression, rats 5620
nucleotide sequences, rats 5620
inhibitors, targeted mutagenesis, embryonic stem cells, polymerase chain reaction, mice 3405
nucleotide sequences, rabbits 6245
Adenylate cyclase-activating polypeptide
receptors
gene expression, pituitary, rats 4580, 4593
nucleotide sequences, pituitary, rats 4580, 4593
RNA, alternative splicing, pituitary, rats 4593
5′-Adenylylphosphosulfate kinase, nucleotide sequences, *Arabidopsis thaliana* 6274
Adhatoda beddomei, tissue culture, regeneration 3212
Adiantum capillus-veneris, nucleotide sequences, ribulose-bisphosphate carboxylase 5105
Adipocytes
cell lines, mitochondria, proteins, gene expression, targeted mutagenesis, mice 1855
differentiation, transcription factors, gene expression, cell lines, reviews 627
electroporation, gene transfer, rats 4759
enhancers, simian virus 40, gene expression, mice 831
gene expression, reviews 3003
insulin, receptors, nucleotide sequences, mice 4509
marker genes, gene expression, promoters, rats 4759
membrane proteins
gene expression, rats 5564
nucleotide sequences, rats 5564
mitochondrial uncoupling protein, transcription, hamsters 243
promoters, simian virus 40, gene expression, mice 831
proteins, phosphotyrosine, nucleotide sequences, mice 4509
toxins
diphtheria
gene expression
obesity, transgenics, mice 44
reproduction, transgenics, mice 44
Adipose tissue, development, transforming growth factor, gene expression, transgenics, mice 3334
β-Adrenergic agonists
carcass composition
pigs 1605
reviews 4339
fattening performance
pigs 1605
reviews 4339
meat quality
organoleptic traits, pigs 3257-3258
pigs 1605
tenderness, pigs 3257-3258
α-Adrenergic receptors
gene mapping, genetic polymorphism, mice 3607
restriction fragment length polymorphism, segregation distortion, strains, Dahl, rats 5868

β-Adrenergic receptors, gene transfer, gene expression, plasminogen activator, cell lines 2311
Adrenomedullin
gene expression, rats 4518
nucleotide sequences
pigs 6235
rats 4518
Aechmea fasciata, tissue culture 6034
Aedes aegypti
Bacillus thuringiensis subsp. *israelensis,* toxins, melanin, protection 4894
trypsin, nucleotide sequences 1216
Aedes albopictus
dihydrofolate reductase
gene mapping 1704
gene transfer, vectors, cell lines 2831
Aegilops
anther culture
interspecific hybridization 6681
regenerative ability 6681
somatic embryogenesis 6681
DNA amplification, repetitive DNA 5295
DNA hybridization, ribosomal DNA 5924
gene mapping 5266
polymerase chain reaction, repetitive DNA 5295
restriction fragment length polymorphism
genomes 1448
mitochondrial genetics 1998
Aegilops cylindrica, DNA hybridization, ribosomal DNA 5924
Aegilops longissima
restriction fragment length polymorphism
chloroplast genetics 4728
mitochondrial genetics 4728
Aegilops squarrosa
anther culture, somatic embryogenesis 3195
gene mapping 926, 4165, 4170, 5263, 5276, 5278-5279, 5281-5282, 5307-5308
random amplified polymorphic DNA, *Heterodera avenae* 4985
restriction fragment length polymorphism 4165, 4170, 5281
Heterodera avenae 4985, 5291
Aegilops ventricosa, tissue culture, intergeneric hybridization 1568
Aegle marmelos
tissue culture 474, 6632
regeneration 999
Aerobic treatment
isopropylbenzene, microcosms, soil 2718
silage, models 2717
Aflatoxins
ELISA
detection
Aspergillus oryzae 3157
Aspergillus sojae 3157
foods 5358
Africa
biotechnology, organization of research 1660
livestock, biotechnology 2202
African horse sickness virus, detection, polymerase chain reaction 3153
African swine fever virus
DNA polymerase, nucleotide sequences 2828
helicases, nucleotide sequences 52
nucleotide sequences 84
viral proteins
gene mapping 1140
nucleotide sequences 1140
Agaricus bisporus
DNA hybridization 1436
electrophoresis 2028
gene mapping 1436
molecular genetics 2028
RNA 3033
restriction analysis, mitochondrial genetics 1434
Agglutination, gene expression, *Pseudomonas putida, Phaseolus vulgaris* 95
Aggrecan
brain
gene expression, rats 5085
nucleotide sequences, cattle 5085
Agricultural research, biotechnology, regulations, Developing Countries, reviews 2724
Agricultural wastes, organic compounds, biological treatment 3784
Agriculture
biotechnology
economic impact 3794
Netherlands, books 6764
dictionaries 4918
Agrin
gene expression, embryos, fowls 1321
RNA, alternative splicing, embryos, fowls 1321
Agrobacterium
gene expression
Hordeum vulgare 2776
Nicotiana tabacum 2776
genetic engineering
Hordeum vulgare 2776
Nicotiana tabacum 2776
genetic transformation
Actinidia deliciosa 2780
Hyoscyamus muticus 1191
Nicotiana tabacum 1114
plants 2782
books 1635
promoters
Hordeum vulgare 2776
Nicotiana tabacum 2776
Agrobacterium rhizogenes
bioreactors
Panax pseudoginseng 5442
Tagetes erecta 2694
gene expression
Nicotiana glauca 5623
Nicotiana langsdorffii 5623
Nicotiana tabacum 296, 506, 6353
genetic transformation
Ajuga reptans 5546
Ambrosia trifida 4466
Arabidopsis thaliana 2441, 4389
Armoracia rusticana 1023, 4298, 4440
Artemisia absinthium 4463
Atropa belladonna 3389
Catharanthus roseus 3263
Coreopsis tinctoria 4457
Datura 4489, 6204
Datura candida 4452
Datura stramonium 147, 4456, 4488
Daucus carota 6625
Erica darleyensis 6656
Eucalyptus 4396
Fagopyrum esculentum 3398
Glycine max 1107
Hyoscyamus albus 2283, 3393
Hyoscyamus muticus 4993
Ipomoea batatas 2786
Larix laricina 1013
Linum flavum 1738
Lithospermum erythrorhizon 3395
Malus pumila 6028
Nicotiana benthamiana 4986
Nicotiana occidentalis 4986
Nicotiana tabacum 19, 506, 2784, 3311, 4397, 5857, 6137, 6353
Olea europaea 3314
Panax pseudoginseng 1736, 4443
Papaver somniferum 3399
Pelargonium 3392
Pinus banksiana 1013
Pinus monticola 1013
Pisum sativum 336, 5486
plants 3014
Rauvolfia serpentina 3386
Ruta graveolens 4446
Salvia miltiorrhiza 3390
Solanum tuberosum 1673
Tagetes erecta 2694
Vitis rupestris 4986
Vitis vinifera 4986
molecular genetics
agrocinopine synthase 122
plasmids 122
nucleotide sequences
agrocinopine synthase 122
Nicotiana glauca 5623
plasmids 122
promoters, *Nicotiana tabacum* 506, 5857
Agrobacterium rhizogenes *cont.*
tissue culture
Hyoscyamus albus 2283
Malus pumila 6028
Tagetes erecta 2694
Agrobacterium tumefaciens
gene expression 286, 3571
DNA binding proteins 2380
Hordeum vulgare 1676
Lactuca sativa 575
Lolium perenne 1676
Nicotiana tabacum 294, 1119, 6134, 6264, 6388
nopaline 2380
Oryza sativa 1676, 6143
plants 1111
Solanum tuberosum 6264
Sorghum bicolor 1698
gene tagging, *Arabidopsis thaliana* 2556
genetic engineering, *Lycopersicon esculentum* 2459
genetic transformation 4990
Amelanchier laevis 1675
Arabidopsis thaliana 1674, 2556, 3848, 4941, 4943
Beta vulgaris 572
Boehmeria nivea 571
Brassica napus 2213
Brassica oleracea 2213, 4942
Chamaemelum nobile 467
Cicer arietinum 1109, 6144
Citrullus lanatus 4944
Cucumis melo 2791
Datura fastuosa 3315
Dendranthema grandiflora 4949
Glycine max 1107, 6148
Helianthus annuus 2788
Helianthus tuberosus 2788
Hordeum vulgare 1676
Lactuca sativa 575
Linum usitatissimum 1671, 3861, 3865
Lolium perenne 1676
Lycopersicon 6185
Lycopersicon esculentum 574
Malus pumila 15, 4953, 6135
Medicago sativa 4946
Mentha piperita 3396
Nicotiana plumbaginifolia 1183
Nicotiana tabacum 294, 1119, 2213, 2789, 3313, 3315, 6134, 6264, 6388
Oryza sativa 1676, 6143
Petunia hybrida 6138
Pisum sativum 4395, 5486
plants 1105-1106, 1111-1112, 1116-1117, 5530
Populus canescens 5488
Populus nigra 3853
Salix viminalis 3575
Secale cereale 6195
Sinapis alba 2778
Solanum sodomeum 2779
Solanum tuberosum 3859, 4393, 6264
Sorghum bicolor 1698
Stylosanthes guianensis 4951
Taxus baccata 3388
Taxus brevifolia 3388
Theobroma cacao 6151
Trifolium repens 4955
Trifolium subterraneum 6146
Triticum aestivum 6195
Vaccinium corymbosum 2652
Zea mays 1108, 2789, 6195
induced mutations, *Arabidopsis thaliana* 2556
molecular genetics
agrocinopine synthase 122
plants 1106, 1112, 1116
plasmids 122
nucleotide sequences
agrocinopine synthase 122
DNA binding proteins 2380
nopaline 2380
plasmids 122
promoters 286, 3571
DNA binding proteins 2380
Nicotiana tabacum 294, 6264
nopaline 2380
Solanum tuberosum 6264

Agrobacterium tumefaciens *cont.*
tissue culture
Linum usitatissimum 3865
Pisum sativum 4395
Vaccinium corymbosum 2652
vectors, *Lycopersicon* 6185
Agrocinopine synthase
molecular genetics
Agrobacterium rhizogenes 122
Agrobacterium tumefaciens 122
nucleotide sequences
Agrobacterium rhizogenes 122
Agrobacterium tumefaciens 122
Agrocybe aegerita
gene expression 1324
genetic transformation, dihydroorotate dehydrogenase 3862
Agropyron desertorum
tissue culture
regeneration 6637
somaclonal variation 6637
Agrostis alba, genetic transformation 3847
Agrostis stolonifera
gene expression, actin 354
genetic transformation
actin 354
techniques 2793
Agrotis ipsilon, genetic transformation, *Nicotiana tabacum* 2838
Ailanthus altissima
cell culture
adenosylmethionine methyltransferase 3736
alkaloids 3736, 4475
coumarins 4475
Air pollution
gene expression, plants, reviews 1609
genetic engineering, *Nicotiana tabacum* 5538
Ajmalicine, cell culture, *Catharanthus roseus* 4471
Ajuga, in vitro culture, antifeedants 4812
Ajuga reptans
genetic transformation, *Agrobacterium rhizogenes* 5546
tissue culture
ecdysterone 5546
steroids 3397
Alachlor
ELISA
soil 448
water 448
Alanine transaminase, gene expression, *Hordeum vulgare* 4902
D-alanine transaminase, gene expression, *Medicago sativa* 6270
Alanine transaminase
gene expression, *Panicum miliaceum* 4902
nucleotide sequences, *Hordeum vulgare* 4902
D-alanine transaminase
nucleotide sequences
Lupinus angustifolius 6278
Medicago sativa 6270
Alanine transaminase, nucleotide sequences, *Panicum miliaceum* 4902
D-alanine transaminase
promoters
DNA binding proteins
cell lines 249
rats 249
Albinism, lethals, molecular genetics, mice, reviews 792
Albizia julibrissin, tissue culture, regeneration 3209
Albumins
gene expression
Arabidopsis thaliana 4607
Bertholletia excelsa 2245
Cucurbita 1894
mammary glands, transgenics, mice 4963
Nicotiana tabacum 1363, 2245
Picea engelmannii 4080
Picea glauca 4080
Pisum sativum 1363, 2245
Vicia faba 2245
Vicia narbonensis 2245
genetic engineering
Arabidopsis thaliana 4607
Albumins *cont.*
genetic engineering *cont.*
Bertholletia excelsa 2245
Pisum sativum 1363
plants 5544
genetic transformation
Nicotiana tabacum 1363, 2245
Pisum sativum 2245
Vicia faba 2245
Vicia narbonensis 2245
nucleotide sequences
Arabidopsis thaliana 4607
Cucurbita 1894
promoters, *Arabidopsis thaliana* 4607
restriction fragment length polymorphism, pigs 4671
secretion, prediction, milk, mammary glands, transgenics, mice 4962
Alcaligenes eutrophus, 2,4-D, biodegradation, bioreactors, plasmids 2693
Alcaligenes faecalis, nitrite reductase, nucleotide sequences 2713
Alcohol dehydrogenase
cloning
Lycopersicon esculentum 1290
Petunia hybrida, Zea mays 1617
DNA footprinting, *Zea mays* 323, 4638
gene expression
Acorus calamus 1610
kidneys, mice 3581
liver, mice 3581
Nicotiana tabacum 1290
Oryza sativa 5818
Petunia hybrida, Zea mays 1617
spleen, mice 3581
Zea mays 4638, 5818, 5824, 6351, 6366, 6392, 6429
gene mapping, mice 3581
genetic engineering, *Zea mays* 5818
genetic transformation
Nicotiana tabacum 1290
Oryza sativa 5818
Zea mays 6366
nucleotide sequences
mice 3581
Petunia hybrida 1257
Picea abies 4530
rabbits 3949
Zea mays 5674
polymerase chain reaction
Petunia hybrida 1257
Zea mays 5674
promoters
mice 256
Zea mays 4638, 5818
transcription, DNA binding proteins, somatotropin, rats 1862
Zea diploperennis 2941
Zea luxurians 2941
Zea mays 2941
Alcohols
biotransformation, *Gardenia jasminoides* 4442
cell culture, *Gardenia jasminoides* 4442
Zea mays, fermentation, biogas, production 2704
Aldehyde reductase, nucleotide sequences, rats 3458
Alfalfa mosaic alfamovirus
gene expression
Nicotiana tabacum 3018
Picea glauca 3018
genetic engineering, *Nicotiana tabacum* 2835
genetic transformation
Nicotiana tabacum 3018
Picea glauca 3018
promoters
Nicotiana tabacum 3018
Picea glauca 3018
Algae, carbon dioxide, fixation, atmosphere 6088
Algorithms
cloning, restriction fragment length polymorphism, gene mapping 5956
genomes, homology 6470
marker genes, quantitative traits, linkage 2201
nucleotide sequences
analysis 236
Algorithms *cont.*
nucleotide sequences *cont.*
comparisons, computer software 2972, 2975
patterns, detection, computer software 2976
Alhagi kirghisorum
cell culture
N-methyl-*N*-nitrosourea 2878
mutagens 2878
in vitro selection
N-methyl-*N*-nitrosourea 2878
mutagens 2878
somaclonal variation
N-methyl-*N*-nitrosourea 2878
mutagens 2878
Alkaline phosphatase, gene mapping, restriction fragment length polymorphism, pigs 5859
Alkaloids
cell culture
Ailanthus altissima 3736, 4475
Catharanthus roseus 4449, 4471, 4476
Corydalis 4460
Datura stramonium 1730
Eschscholzia californica 2278
Papaver bracteatum 4451
Papaver somniferum 3399, 4451
Ruta graveolens 3727
Sanguinaria canadensis 4448
Tabernaemontana divaricata 3706
Thalictrum minus 1734
Thalictrum tuberosum 4480
gene expression, *Eschscholzia californica* 2278
genetic transformation
Atropa belladonna 3389
Hyoscyamus albus 2283
in vitro culture, *Ephedra* 610
tissue culture
Ceanothus americanus 4444
Datura fastuosa 2282
Datura stramonium 147
Duboisia leichhardtii 4464
Erythroxylum coca 2280
Eupatorium cannabinum 3700
Hyoscyamus albus 2283
Peganum harmala 4445
Rauvolfia serpentina 3386
Senecio vulgaris 3700
Stephania cepharantha 4484
Alkanes, biodegradation, microorganisms, lipids, content 5441
Alkanna tuberculata
tissue culture
alkannin 4469
quinones 4469
Alkannin, tissue culture, *Alkanna tuberculata* 4469
Allelic exclusion, T lymphocytes, receptors, transgenics, protein-tyrosine kinase, mice 3321
Allergens
antibodies, *Zea mays* 3469
nucleotide sequences
Sinapis alba 2942
Zea mays 2377, 3469
Allicin, tissue culture, *Allium sativum* 5543
Allium, embryo culture, interspecific hybridization 1019
Allium ascalonicum
nucleotide sequences, lectins 1249
tissue culture, micropropagation 4274
Allium cepa
cell culture, regeneration 6652
gene expression 3569
ethylene 5810
Glomus mosseae 168
mycorrhizas 168
nucleolus organizer 5810
ribosomal DNA 5810
genetic transformation 3569
nucleotide sequences, lectins 1249
RNA hybridization
ribosomal RNA 5229
techniques 5229
tissue culture 1552
acetone 505
inflorescences 3730
regeneration 505

Allium fistulosum, cell culture, regeneration 6652
Allium porrum
mitochondrial genetics, cytoplasmic male sterility 6123
nucleotide sequences, lectins 1249
tissue culture 1552
Allium sativum
in vitro selection
chromosome number 2880
DNA content 2880
nucleotide sequences, chitinase 2352
somaclonal variation
chromosome number 2880
DNA content 2880
tissue culture 6023
acetone 505
allicin 5543
S-allyl-L-cysteine 4473
micropropagation 4274
organogenesis 3205
oxidoreductases 4473
regeneration 505
Allium schoenoprasum
mitochondrial genetics, cytoplasmic male sterility 3775
restriction fragment length polymorphism, cytoplasmic male sterility 3775
tissue culture, flavour compounds 6010
Allium senescens, tissue culture, regeneration 1016
Allium tuberosum, tissue culture 6023
***S*-allyl-L-cysteine,** tissue culture, *Allium sativum* 4473
Alnus glutinosa
cloning, nodulation 320
gene expression, nodulation 320
symbiosis, *Frankia* 320
Alocasia odora, protoplasts, techniques 6636
Aloe barbadensis, somaclonal variation, DNA 1753
Alternaria dauci, somaclonal variation, *Daucus carota* 2299
Alternaria radicina, molecular genetics, *Nicotiana tabacum* 4549
Alternaria solani
in vitro selection
Lycopersicon 6191
Lycopersicon esculentum 6191
Solanum tuberosum 3412, 3894
Alternative oxidase
gene expression, *Nicotiana tabacum* 6324
molecular genetics, plants 6408
nucleotide sequences
Glycine max 4572
Nicotiana tabacum 6324
Aluminium
gene expression, *Triticum aestivum* 2721, 6714
in vitro selection, *Medicago sativa* 163
Alzheimer's disease, animal models, books 5466
Amaranthus caudatus
nucleotide sequences
chitin-binding proteins 92
pathogenesis-related proteins 92
Amaranthus cruentus
cloning, repetitive DNA 4105
DNA methylation, repetitive DNA 4105
Amaranthus hypochondriacus
gene expression
light 1381
phosphoenolpyruvate carboxylase 1381
pyruvate,orthophosphate dikinase 1381
ribulose-bisphosphate carboxylase 1381
nucleotide sequences, chlorophyll *a/b* binding protein 6326
Amaranthus retroflexus
cell culture
atrazine 140
herbicide resistance 140
Ambrosia trifida
genetic transformation, *Agrobacterium rhizogenes* 4466
tissue culture
sesquiterpenes 4466
thiophene 4466
Amelanchier arborea, tissue culture 3703
Amelanchier laevis, genetic transformation, *Agrobacterium tumefaciens* 1675
Amendments, soil, production, refuse, anaerobic digestion 6095
Ameson michaelis, ribosomal DNA, nucleotide sequences 1705
Amine oxidase (copper-containing), nucleotide sequences, cattle 5065
D-amino-acid oxidase, gene mapping, DNA hybridization, pigs 906
Amino acid permease
gene expression, *Arabidopsis thaliana* 1904
nucleotide sequences, *Arabidopsis thaliana* 1904
Amino acid sequences
comparisons, interpretation, computer software 4738
statistical analysis, comparisons 5349
Amino acid transporter
genetic engineering, *Arabidopsis thaliana* 212
nucleotide sequences, *Arabidopsis thaliana* 212
Amino acids
embryos, *in vitro* development, cattle 4308
genetic engineering, crops 5516
molecular genetics, plants, reviews 6401
mutations, *Pleurotus salmoneostramineus* 4303
tissue culture, *Zea mays* 6027
transporters, neurotransmitters, molecular genetics, mammals, reviews 3509
γ-Aminobutyric acid
mutations, insecticide resistance, animal models, *Drosophila melanogaster* 2171
receptors
gene expression, fowls 3517
nucleotide sequences, fowls 3517
5-Aminoimidazole ribonucleotide carboxylase, nucleotide sequences, *Vigna aconitifolia* 3423
5-Aminoimidazole-4-*N*-succinocarboxamide ribonucleotide synthetase, nucleotide sequences, *Vigna aconitifolia* 3423
δ-Aminolevulinic acid dehydratase
gene expression, *Glycine max* 6394
nucleotide sequences, *Glycine max* 6394
Aminopeptidases
gene mapping, *Hordeum vulgare* 4723
restriction fragment length polymorphism
Hordeum vulgare 4723
pigs 4661
Ammi majus
cell culture
steroids 4450
terpenoids 4450
umbelliferone:*O*-dimethylallyl transferase 4450
Ammonia
biofilters, nitrogen fixation, pigs, economics 2696
reduction, composting, straw, pig slurry 2700
Ammonium transporter, nucleotide sequences, *Arabidopsis thaliana* 6296
Amniotic fluid, oocytes, *in vitro* maturation, cattle 4866
Amoracia rusticana
gene expression, peroxidases 5812
genetic engineering, peroxidases 5812
promoters, peroxidases 5812
Amsonia tabernaemontana
biotransformation 4896
cell culture 4896
Amyelois transitella, genetic transformation, *Juglans regia* 4983
α-Amylase
gene mapping, *Hordeum vulgare* 4723
restriction fragment length polymorphism, *Hordeum vulgare* 4723
Amylase inhibitors
gene expression, *Hordeum vulgare* 1270
gene mapping, *Hordeum vulgare* 1270
nucleotide sequences, *Hordeum vulgare* 1270
α-Amylase
cell culture, *Oryza sativa* 1898
cloning, *Zea mays* 4010
DNA binding proteins, *Oryza sativa* 6447
gene expression
Hordeum vulgare 865, 2475, 6421
Oryza sativa 1898, 6424, 6430, 6447
targeted mutagenesis, glucocorticoids, receptors, cell lines 2417
genetic engineering
Hordeum vulgare 865
reviews 5847
plants 5544
reviews 5847
molecular genetics, *Hordeum vulgare* 3555
nucleotide sequences
Vigna mungo 4568
Zea mays 6332
promoters
Hordeum vulgare 2475, 6421
Oryza sativa 6430, 6447
restriction fragment length polymorphism, *Hordeum vulgare* 5898
β-Amylase
DNA footprinting, *Ipomoea batatas* 5807
nucleotide sequences, *Hordeum vulgare* 6331
Amylin, promoters, gene expression, regulation, rats 3540
Amyloid
gene expression, transgenics, mice 4410
gene transfer, embryonic stem cells, mice 4410
Amyloid precursor protein, restriction fragment length polymorphism, mice 1939
Anabasine, cell culture, *Nicotiana tabacum* 1192
Anaemia
ELISA, diagnosis, dogs 2572
gene mapping
restriction fragment length polymorphism
mice 919
rats 919
thrombocytopaenia, gene mapping, restriction fragment length polymorphism, mice 372
Anaerobic conditions, gene expression, *Hordeum vulgare* 5697
Anaerobic digesters
design
biogas
production 3266
India 3265
manures, Czech Republic 3267
supports, zeolite, cattle manure, kinetics 3264
Anaerobic digestion
cattle dung, poultry manure, whey, methane production, temperature, retention 6708
Chlorella vulgaris, biogas, production 5445
crop residues, animal wastes, methane production 6096
methane production, animal wastes, models 2707
poultry manure, economics, environment 2698
refuse
amendments, soil, production 6095
methane production 6086, 6095
surfactants
cattle dung, methane production 6707
poultry waste, methane production 6707
whey, methane production 6707
Anaerobiosis
gene expression
Oryza sativa 1294
plants, reviews 4903
nucleotide sequences, *Oryza sativa* 1294
Analytical methods, biosafety, products, genetic engineering, regulations, opinions 5452
Anaphylaxis, gene therapy, mice 2288
Anaplasma marginale
DNA probes, detection 2037

Anaplasma marginale cont.
genome analysis, pulsed field electrophoresis 1389
Anatomy
tissue culture
Delphinium 2106
Quercus cerris 4285
Quercus robur 4285
Quercus rubra 4285
Ancient DNA, polymerase chain reaction, *Zea mays* 6571
Andean Group
biotechnology
organization of research 1647
policy 1647
Andean potato mottle comovirus, nucleotide sequences, RNA polymerase 112
Androecium
gene expression, *Lycopersicon esculentum* 1237
nucleotide sequences, *Lycopersicon esculentum* 1237
Androgen-regulated protein
gene mapping, mice 664
nucleotide sequences, mice 664
promoters, gene expression, mice 664
Androgenesis
diploidy, induction, heat shock, fishes 6059
embryos, *in vitro* development, mice 1046
induction, ultraviolet radiation, fishes 6059
ova, mice 1046
Androgens
binding proteins
promoters, rats 1320
RNA, alternative splicing, rats 1320
targeted mutagenesis, cell lines 155
in testes, gene transfer, oxytocin, mice 2800
probasin, gene expression, regulation, rats 691
proteins, prostate, transcription factors, rats 2396
receptors
DNA binding proteins, prostate, promoters, regulation, cell lines 2984
messenger RNA, polymerase chain reaction, rats, techniques 5350
promoters
gene expression
c-AMP, mice 4048
mice 5146
rats 828
nucleotide sequences, rats 828
Androstanes
in fat, GnRH, analogues, pigs 6082
in salivary glands, GnRH, analogues, pigs 6082
Androstenedione
immunization
embryos
in vitro development, sheep 1074
number, sheep 1074
female fertility
sheep 1074
reviews 1590
lambing rate, sheep 4334
ovulation rate, sheep 4334
superovulation, sheep, reviews 1590
oocytes, *in vitro* maturation, pigs 2131
Anemia phyllitidis
gene expression
photosystem II 3567
ribulose-bisphosphate carboxylase 3567
Angiosperms
chloroplast genetics
ribulose-bisphosphate carboxylase 1795, 1826
taxonomy 1795, 1826
molecular genetics
evolution 6524
ribosomal DNA 6524
nucleotide sequences
evolution 2367
glyceraldehyde-3-phosphate dehydrogenase 2367
Angiosperms *cont.*
nucleotide sequences *cont.*
ribulose-bisphosphate carboxylase 1795, 1826
taxonomy 1795, 1826
Angiotensin
oocytes, *in vitro* maturation, rabbits 2135
receptors
gene expression
rats 2897
turkeys 1764
gene mapping, DNA hybridization, rats 4680
nucleotide sequences
rats 2897
turkeys 1764
transcription factors, cell lines, rats 2408
Angiotensin converting enzyme, promoters, gene expression, spermatozoa, mice 5733
Angiotensinogen
gene expression
blood pressure, transgenics, mice 583
mice 5005
Animal breeding, legislation, animal welfare, Europe 1630
Animal diseases, epidemiology, molecular genetics, reviews 1702
Animal health
gene transfer, livestock, reviews 2815
somatotropin, Germany 2751
Animal models
Alzheimer's disease, books 5466
γ-aminobutyric acid, mutations, insecticide resistance, *Drosophila melanogaster* 2171
arthritis, books 5466
atherosclerosis
books 5466
mice 2233
gene therapy, books 2220
hyperlipoproteinaemia, transgenics, mice 38
hypertension, books 5466
kidney diseases, cysts 3581
lipoproteins, atherosclerosis, transgenics, reviews 5508
mammary gland neoplasms, books 5466
oncogenes
books 5466
transgenics, mice, reviews 5512
prions, books 5466
proto-oncogenes, transgenics, mice, reviews 5512
Retroviridae, transgenics, mice, reviews 5512
transforming growth factor, mammary glands, neoplasms, transgenics, reviews 5495
tumour necrosis factor, joint diseases, transgenics 5498
Animal production
biotechnology, livestock 2752, 3302
ethics, public opinion, transgenics 5455
monoclonal antibodies, livestock, reviews 5354
technical progress, animal welfare, livestock 1102
Animal wastes
anaerobic digestion, methane production, models 2707
composting, USA 2716
crop residues, anaerobic digestion, methane production 6096
Animal welfare
animal production, technical progress, livestock 1102
genetic engineering, veterinary medicine, reports, UK 5456
legislation, animal breeding, Europe 1630
molecular genetics, livestock 5502
Animals
bioreactors, conferences 5459
cell culture
books 3829
conferences 3825
cell lines, conferences 5459
cells, molecular genetics, techniques, books 3827
Animals *cont.*
ethics, genetic engineering, veterinary medicine, reports, UK 5456
genetic engineering
books 4375
ethics, reviews 3818
in vitro culture, cells, books 4369
mitochondrial DNA, nucleotide sequences, abundance 5027
molecular genetics, conferences 3288
nutrition, research, transgenics, reviews 5511
patents, Europe 5451
pigmentation, genetic engineering, reviews 4922
prolactin, antisense DNA, gene transfer, brain, reviews 4577
quantitative traits, gene mapping, reviews 4197
transgenics, release, reviews 6157
Anions
transporters
gene expression
mice 2325
rabbits 2325
rats 2325
nucleotide sequences, rats 2325
Anisomycin, gene expression, *Phaseolus vulgaris* 873
Annexins
exons, fowls 3448
nucleotide sequences, *Medicago sativa* 5677
promoters, nucleotide sequences, fowls 3448
Annona cherimola, tissue culture 2631
Anoectochilus formosanus, tissue culture 2277
Anopheles, species, identification, polymerase chain reaction 1703
Anopheles albimanus, heat shock proteins, nucleotide sequences 1202
Anopheles gambiae
mitochondrial DNA, nucleotide sequences 1201
species, identification, polymerase chain reaction 1498
Anopheles quadrimaculatus, sibling species, identification, DNA probes 1485
Anoxia
gene expression
Acorus calamus 1610
Hordeum vulgare 4902, 5697
Panicum miliaceum 4902
plants, reviews 4903
Zea mays 6351, 6392, 6429
nucleotide sequences
Hordeum vulgare 4902
Panicum miliaceum 4902
Anterior pituitary, somatoliberin, receptors, mutations, mice 5163
Anther culture 1584, 6054
Acca sellowiana 4315
artificial seeds, *Brassica oleracea* 2672
Asparagus officinalis 1060
Azadirachta indica 1055
Brassica napus 5926
Brassica oleracea 516
Capsicum annuum 3203
carbohydrates, *Triticum aestivum* 513, 6686-6687
chromosome pairing, *Nicotiana tabacum* 4109
chromosome substitution
Secale cereale 1066
Triticum aestivum 1066
chromosome translocation, *Triticum aestivum* 2139
chromosome transmission, *Oryza sativa* 517
colchicine
Brassica napus 6685
Oryza sativa 6051
Triticum aestivum 6687, 6689
Cyclamen persicum 1058
Cynara scolymus 3763
disease resistance, *Nicotiana tabacum* 4992
DNA, *Vitis vinifera* 5414
DNA amplification, *Nicotiana tabacum* 4109

Anther culture *cont.*
economics, Latin America 3765
embryogenesis, *Brassica oleracea* 2668
Erysiphe graminis
Hordeum vulgare 6187
Secale cereale 1066
Triticum aestivum 1066
fertility, *Hordeum vulgare* 3762
gene expression, *Zea mays* 521
genetic markers, *Zea mays* 521
glucose, *Hordeum vulgare* 6691
Gossypium hirsutum 3037
haploidy
Brassica oleracea, cauliflowers 2145
Hordeum vulgare 2669, 3762
Nicotiana tabacum 4109, 4992
Triticum aestivum 3738, 3757, 6053
Zea mays 519, 4877
Helianthus annuus 3759
Hordeum vulgare 2140, 3242, 4318
Hyacinthus orientalis 518
interspecific hybridization
Aegilops 6681
Triticum 6681
isoenzymes, *Hordeum vulgare* 520
Lilium 2137
Linum usitatissimum, linseed 3759
maltose
Oryza sativa 4321
Triticum aestivum 494
morphology, *Oryza sativa* 4496
Nicotiana tabacum 2671
Oryza sativa 1053, 1059, 1062, 1551, 1585, 1587
photoperiodism, *Oryza sativa* 1064
ploidy
Brassica napus 6685
Triticum aestivum 6689
pollen, *Zea mays* 514
regeneration
Brassica juncea 3169
Catharanthus roseus 5416
Fagopyrum esculentum 3758
Helianthus annuus 3243
Hordeum vulgare 6187
Oryza sativa 4321
Sorghum bicolor 4317
Triticum aestivum 1065, 2139, 6686
regenerative ability
Aegilops 6681
Hordeum 6684
Lolium perenne 6688
Oryza sativa 3764, 6051
Triticum 6681
sex, *Silene pratensis* 6692
somatic embryogenesis
Aegilops 6681
Aegilops squarrosa 3195
Brassica chinensis 6052
Brassica napus 4876
Brassica oleracea 2672
Catharanthus roseus 5416
Guizotia abyssinica 2143
Lolium perenne 6688
Lupinus albus 4319
Populus 4875
Solanum phureja 5417
Triticum 3183, 3195, 6681
Triticum aestivum 513, 515, 4840, 6686-6687
Triticum dicoccoides 3183
Triticum turgidum 5415
Vitis vinifera 1057
Zea mays 1063
sucrose, *Hordeum vulgare* 6691
techniques, *Triticum aestivum* 2144
temperature
Brassica napus 4316
Oryza sativa 1064
triticale 1586, 2136
Triticum aestivum 518, 1586, 2142, 3760
Triticum durum 3760
Zea mays 570, 4254, 5418-5419
Anthers
DNA hybridization, *Sinapis alba* 744
gene expression 1377
Brassica napus 3776
Helianthus annuus 5844
Lycopersicon esculentum 1237
Nicotiana tabacum 1890, 5628
Sinapis alba 744, 5846
Anthers *cont.*
genetic engineering, *Arabidopsis thaliana* 3776
genetic transformation, *Brassica napus* 3776
mitochondrial genetics, *Helianthus annuus* 5844
nucleotide sequences
Brassica napus 1806
Lycopersicon esculentum 1237
Nicotiana tabacum 5628
Sinapis alba 744
Anthocyanins
DNA binding proteins, *Zea mays* 5639
DNA methylation, *Zea mays* 2351
gene expression
Antirrhinum 1907
Antirrhinum majus 2469
Arabidopsis thaliana 3470
Lycopersicon esculentum 6377
Petunia 1907
Petunia hybrida 2469
Phaseolus vulgaris 1887, 4612
Solanum melongena 2376
Zea mays 1916, 2351, 2373, 2436-2437, 2439, 2469, 3549, 4625, 6150
genetic engineering
Petunia hybrida 4617
plants 5518
genetic transformation
Lycopersicon esculentum 6377
Zea mays 4625, 6150
immunological techniques, *Zea mays* 5962
in vitro selection, *Vitis vinifera* 2877
molecular genetics
plants 1356
Rosa 4617
Zea mays 1916
mutations
Arabidopsis thaliana 3470
Lycopersicon esculentum 6377
Zea mays 2373
nucleotide sequences
Arabidopsis thaliana 3470
Solanum melongena 2376
Zea mays 2351, 2373, 2436-2437, 5639
promoters
Antirrhinum majus 2469
Petunia hybrida 2469
Zea mays 2373, 2437, 2469
somaclonal variation, *Vitis vinifera* 2877
tissue culture
Aralia cordata 4478
Catharanthus roseus 146
Anthranilate synthase
gene expression, *Arabidopsis thaliana* 862
mutations, *Arabidopsis thaliana* 862
nucleotide sequences, *Arabidopsis thaliana* 862
Antibacterial agents, peptides, nucleotide sequences, bone marrow cells, pigs 5072
Antibiotic residues, ELISA, detection, milk 4226
Antibiotics
ELISA, detection, milk 4768
genetic transformation, *Malus pumila* 4948
tissue culture
Dianthus 488
Malus pumila 6662
Antibodies
ACC oxidase
Lycopersicon esculentum 4776
Malus pumila 4776
acetyl-CoA carboxylase, *Zea mays* 3465
allergens, *Zea mays* 3469
books 4370
catalase, *Hordeum vulgare* 4775
chromosome translocation
Secale cereale 957
Triticum aestivum 957
dehydrin, plants 1329
β-fructofuranosidase
Daucus carota 6323
Solanum tuberosum 4643
Antibodies *cont.*
gene expression
Nicotiana tabacum 1185, 1731
plants 1185
genetic engineering, plants 3341
genetic transformation
artichoke mottled crinkle tombusvirus, *Nicotiana benthamiana* 2853
Nicotiana tabacum 1185, 1731
plants 1185
globulins, *Avena sativa* 315
heat shock proteins 6098
introns, *Solanum tuberosum* 2947
legumin, *Vicia faba* 315
light, *Avena sativa* 344
lysine 1891
maturase, *Solanum tuberosum* 2947
phosphotransferases, *Solanum tuberosum* 4643
phytochrome, *Avena sativa* 344
ribonucleoproteins
Cicer arietinum 848
Pisum sativum 848
secalins
Secale cereale 957
Triticum aestivum 957
sucrose synthase, *Solanum tuberosum* 4643
transfer RNA, *Solanum tuberosum* 2947
tubers, *Solanum tuberosum* 4643
zein 1891
Anticoagulants
nucleotide sequences, *Ornithodoros moubata* 1217
production, *Ornithodoros moubata,* extraction, techniques, *Saccharomyces cerevisiae* 1187
Antifeedants, *in vitro* culture, *Ajuga* 4812
Antifreeze proteins
gene expression
Medicago sativa 6099
Nicotiana tabacum 1613
genetic engineering, fishes 1613
genetic transformation, *Nicotiana tabacum* 1613
Antigenic determinants
monoclonal antibodies, aphthovirus 59
nucleotide sequences
Coccidioides immitis 4422
feline calicivirus 1156
infectious bursal disease virus 80
Antigens
B lymphocytes
gene mapping
DNA hybridization, mice 4141
restriction fragment length polymorphism, mice 4141
nucleotide sequences, mice 1227
bullous pemphigoid, gene mapping, restriction fragment length polymorphism, mice 359
deletions, gene transfer, T lymphocytes, development, mice 3331
detection
aviadenovirus, ELISA, fowls 417
Renibacterium salmoninarum, ELISA, fishes 419
diagnosis, ELISA, caprine arthritis encephalitis virus 413
Fas
gene expression, transposable elements, mice 5140
transposable elements, transcription, inhibition, mice 2995
genes, transcription, embryos, cattle 5974
glycoproteins
gene expression, mice 5607
nucleotide sequences
mice 5607
rats 5607
heat stable
gene expression, cell lines 2420
gene mapping, restriction fragment length polymorphism, mice 2420
nucleotide sequences, mice 2420
histocompatibility, gene mapping, microsatellites, mice 4144

Antigens *cont.*
leukocytes
gene mapping
DNA hybridization, rats 916
restriction fragment length polymorphism, mice 916
lymphocytes, restriction fragment length polymorphism, fowls 2498, 3586
mutations, immunological diseases, tumour necrosis factor, mice 4149
oviducts, monoclonal antibodies, cattle 1067
simian virus 40
cell lines, brown fat, immortalization, rats 2310
transformation, cells, specificity, mice 2239
T lymphocytes, nucleotide sequences, sheep 1208
targeted mutagenesis, T lymphocytes, development, mice 3404
thymocytes, nucleotide sequences, mice 6227
viruses, cell lines, transformation, insulin-like growth factor, targeted mutagenesis, mice 2312
Antioxidants, semen, freezing, cattle 2118
Antirrhinum
gene expression
anthocyanins 1907
colour 1907
flowers 1881, 1907, 1909
homeotic genes 1909
naringenin-chalcone synthase 1907
plant development 1881, 1909
molecular genetics
flowers 1909
homeotic genes 1909
plant development 1909
Antirrhinum majus
gene expression
anthocyanins 2469
cell division 5204
colour 2457
cyclins 5204
development 3549
DNA binding proteins, reviews 278
flavonoids 3035
flowering 3549
flowers 2457, 4650
histones 5204
membrane proteins 727
naringenin-chalcone synthase 2457
gene tagging
colour 6299
epidermis 6299
flowers 6299
Puccinia antirrhini 1180, 1968
transposable elements 1968
mutations
colour 6299
epidermis 6299
flowers 6299
nucleotide sequences
chlorophyll 1809
colour 6299
epidermis 6299
flowers 4650, 6299
membrane proteins 727
promoters
anthocyanins 2469
flavonoids 3035
transposable elements
colour 2457
flowers 2457
naringenin-chalcone synthase 2457
Antisense DNA
Cercospora nicotianae, Nicotiana sylvestris 2848
chitinase, *Nicotiana sylvestris* 2848
cloning, gene expression, vectors, selectable markers, cell lines 4741
co-suppression, *Dendranthema grandiflora* 4417
fibroblast growth factors, gene expression, embryos, fowls 1301
G proteins, gene transfer, gene expression, mice 1131
gene expression
Brassica napus 3776
Lotus corniculatus 5200
Antisense DNA *cont.*
gene expression *cont.*
Lycopersicon esculentum 325, 1328, 1378, 2472, 2477, 4104, 6373
Nicotiana tabacum 1119, 1340, 1357, 2179, 3576, 4092, 4635, 5213, 6391
reviews 6427
Petunia hybrida 1350
plants 2021
Solanum tuberosum 355, 2372, 3560, 4641, 5209
wingless-related MMTV integration site, mice 2385
Zea mays 2354
genetic engineering
Lycopersicon esculentum 325, 1378, 2477, 2732, 3880
tomato golden mosaic bigeminivirus, *Nicotiana tabacum* 3355
viruses, *Nicotiana tabacum* 3355
genetic transformation
bean yellow mosaic potyvirus, *Nicotiana benthamiana* 2259
Brassica napus 3776
Dendranthema grandiflora 4417
Lotus corniculatus 5200
Lycopersicon esculentum 1328, 1378, 1879, 2266, 2477, 4104, 6373
Nicotiana tabacum 1119, 1340, 1357, 2179, 3563, 3576, 4092, 4102, 4635, 5213
reviews 6427
Petunia inflata 3773
Solanum tuberosum 355, 2372, 3560, 5209
tobacco mosaic tobamovirus, *Nicotiana tabacum* 2842
globins, cell lines, models 3110
β-glucanase, *Nicotiana sylvestris* 2848
glucocorticoids
receptors
energy balance, transgenics, mice 4969
lipid metabolism, transgenics, mice 4969
immunity, stimulation, mice 2867
insulin-like growth factor
receptors, targeted mutagenesis, mice 3539
transcription, mice 5754
Lycopersicon esculentum 4018
major histocompatibility complex, gene transfer, B lymphocytes, transgenics, mice 5497
molecular genetics, *Lycopersicon esculentum,* reviews 6379
oligodeoxynucleotides, diseases, gene therapy 6174
oligonucleotides, proteins, covalent complexes 4762
plasminogen activator
gene expression, oocytes, mice, maternal effects 4413
gene transfer, oocytes, mice, maternal effects 4413
polymerase chain reaction, plants 2021
prolactin, gene transfer, brain, animals, reviews 4577
promoters, *Lycopersicon esculentum* 4104
proto-oncogenes, embryonic stem cells, haematopoiesis 5765
somatotropin, transgenics, growth, rats 1130
toxicity, pregnancy, mice 2861
transcription factors
mortality, gene therapy, mice 6202
spleen, mice 2867
toxicity, gene therapy, mice 6202
uptake
streptolysin, cells, mice 2756
transforming growth factor, transcription, cell lines, density 1760
Antisense RNA
gene expression
laboratory mammals, reviews 2560
plants, reviews 856
genes
wingless
gene transfer
gene expression, mice 1125
Antisense RNA *cont.*
genes *cont.*
wingless *cont.*
gene transfer *cont.*
spermatogenesis, mice 1125
hepatitis virus, gene transfer, disease resistance, transgenics, mice 3353
Antithrombin
gene expression, development, fowls 241
nucleotide sequences, fowls 241
Antitrypsin
gene expression, mammary glands, transgenics, sheep, reviews 3330
gene transfer, liposomes, liver cells, mice 2204
Aorta, calponin, gene expression, rats 2915
Aphthovirus, antigenic determinants, monoclonal antibodies 59
Apium graveolens
cell culture 6025
somatic embryogenesis 2084
tissue culture
artificial seeds 2628
somatic embryogenesis 2628
Apoaequorin
gene expression, *Nicotiana plumbaginifolia* 1348
genetic transformation, *Nicotiana plumbaginifolia* 1348
Apocheima cinerarius
genetic transformation, *Populus nigra* 3378
transgenics, *Populus nigra* 3378
Apocytochrome *b*
gene expression 746
Arabidopsis thaliana 724
mitochondrial genetics 746
Arabidopsis thaliana 724
Solanum 872
Triticum 872
nucleotide sequences 746
Arabidopsis thaliana 724
Solanum 872
Triticum 872
RNA editing
Solanum 872
Triticum 872
Apolipoproteins
DNA hybridization, mice 362
enhancers, transcription, regulation, transgenics, mice 594
gene expression
atherosclerosis, transgenics, mice 6161
deoxyribonuclease I, hypersensitivity, liver, mice 3871
enhancers, liver, transgenics, mice 3871
inflammation, dogs 1785
insulin, cell lines 242
insulin-like growth factor, cell lines 242
intestines, transgenics, mice 5193
promoters, liver, transgenics, mice 3871
transgenics
mice 38
reviews 4061
gene mapping
linkage, pigs 3054
satellite DNA, pigs 3054
nucleotide sequences
cattle 661
dogs 1785
promoters, transcription, regulation, transgenics, mice 594
restriction fragment length polymorphism, mice 362
RNA editing, transgenics, mice 2222
Apomixis, genetic engineering, plants 4361
Aquaculture
biosafety, genetic engineering, conferences 6738
biotechnology, genetic resources, economics, Developing Countries 2725
genetic resources, conservation 4379
Aquaspirillum, iron, uptake 5865
Arabidopsis, DNA hybridization, ribosomal DNA 1439
Arabidopsis thaliana
cloning 1807

Arabidopsis thaliana *cont.*
cloning *cont.*
flowering, genetics, flowering 1351
plant embryos 5127
Pseudomonas syringae 1164
complementation
chlorophyll 4007
endoplasmic reticulum retention receptor 2952
glutamate 1-semialdehyde 2,1-aminomutase 4007
glutamine tRNA reductase 4007
DNA binding proteins, small nuclear RNA 4089
DNA hybridization, techniques 5219, 5937
epistasis
development 5768, 5855
light 5768, 5855
gene expression 270
abscisic acid 2485, 4653, 4906, 5092, 5704, 6712
ACC oxidase 334
ACC synthase 334
acetyl-CoA carboxylase 6305
adenosinetriphosphatase 4006, 5652
albumins 4607
amino acid permease 1904
anthocyanins 3470
anthranilate synthase 862
apocytochrome *b* 724
auxins 3024
blue light 3024
carbonate dehydratase 6265
catalase 4656
cell division 2450, 5656
chaperonins 3579
chlorates 3498
chlorophyll 4007
chlorophyll *a/b* binding protein 5221, 6334, 6375
chloroplasts 5652
circadian rhythm 4604
cold 2485, 4604, 5092
cold resistance 3790, 4906, 6712
cysteine proteinases 5448
desiccation 5448
development 860, 3549, 5212, 5768, 5813, 5855
diseases 3905
DNA binding proteins 1349, 5526
reviews 278
DNA photolyases 3024
drought 5092, 5704
drought resistance 2722
elicitors 5526
elongation factors 4601
embryogenesis 5813
endoplasmic reticulum retention receptor 2952
enhancers 5196
epoxide hydrolase 6279
ethylene 334, 725, 3024, 5528
far red light 281
flowering 3486, 3549
genetics, flowering 1351
flowers 345, 1881, 1909, 1914, 5212
G proteins 2476, 2483
β-glucuronidase 6561
glutamate-ammonia ligase 6358
glutamate 1-semialdehyde 2,1-aminomutase 4007
glutamine tRNA reductase 4007
glyceraldehyde-3-phosphate dehydrogenase 3548, 6399
growth regulators 2485, 4906, 5207
heat shock proteins 4904, 6558, 6717
heavy metals 5712
herbicide resistance 3498
Heterodera schachtii 1889
homeo box 281, 860
homeotic genes 345, 1909, 4631
imidazoleglycerol-phosphate dehydratase 6317
immunological techniques 6356
injuries 5216
ion transport 2452
leucine zipper 281
leucyl aminopeptidase 6356

Arabidopsis thaliana *cont.*
gene expression *cont.*
light 308, 311, 847, 1880, 1908, 3548, 5768, 5831, 5855, 6375, 6399
lipid transfer proteins 6431
lipoxygenase 3468, 6409
Meloidogyne incognita 1889
membrane proteins 1288
metallothionein 5712
monosaccharide-H^+ symporter 6428
nitrate reductase 1369
nitrates 3498
nutrient transport 335
nutrients 3498
oleosins 5835
ovules 4631
pathogenesis-related proteins 5522, 5526, 5528
Peronospora parasitica 5528
peroxidases 3022
phenylalanine ammonia-lyase 6183
phosphatidylcholine desaturase 3491
photosynthesis 5221
phytochrome 1908, 3042, 4601, 6257
phytochrome A 728
plant development 1881, 1909, 1914
plant hairs 2455, 6303
plant water relations 6275
plasma membranes 6275
plastocyanins 1929
pollen 3038, 4610
promoters 2461
protein kinase 1288, 2369, 2450, 2929
proteinases 2374
pseudogenes 724
Pseudomonas solanacearum 6183
pyrroline-5-carboxylate reductase 2723
ribonucleases 2963
ribosomal DNA 283
ribosomes 724, 6403
ribulose-bisphosphate carboxylase 1370
RNA binding proteins 274, 1260, 4604
salicylic acid 3905
salinity 2722-2723
seeds 4653, 5835
senescence 2963, 6358
small nuclear RNA 4089
stearoyl-CoA desaturase 1293
stress 2722, 3024, 4358, 5704
sucrose synthase 317
sugars 335
sulfate adenylyltransferase 6285
systemic acquired resistance 3024
techniques 3857, 4068, 5207, 6561
thiol protease 5704
transposable elements 1323, 1996, 5196, 6558
transposase 5196
tryptophan 862
tryptophan synthase 864
β-tubulin 1611
ubiquitin 6269
Xanthomonas campestris 5522
gene mapping 2544, 4160
adenosinetriphosphatase 5652
calcium binding proteins 5652
flowering 2542
growth period 5270
mitochondrial genetics 5851
Pseudomonas syringae 113, 1164, 1983, 4159
random amplified polymorphic DNA 1449
restriction fragment length polymorphism 391, 930
techniques 407, 4716
vernalization 2542
gene tagging
Agrobacterium tumefaciens 2556
blue light 2345
colour 5905
DNA photolyases 2345
heat shock proteins 6558
transposable elements 1996, 4198, 5905, 6558

Arabidopsis thaliana *cont.*
genetic engineering
ACC oxidase 334
ACC synthase 334
adenosinetriphosphatase 4006
albumins 4607
amino acid transporter 212
anthers 3776
chaperonins 3579
cold resistance 3790
epoxide hydrolase 6279
ethylene 334
fertility 3776
flowers 345
glyceraldehyde-3-phosphate dehydrogenase 6399
heat shock proteins 5849
homeotic genes 345
light 6399
monosaccharide-H^+ symporter 6428
oleosins 5835
peroxidases 3022
phenylalanine ammonia-lyase 6183
phosphatidylcholine desaturase 3491
phytochrome 3042
plant water relations 6275
plasma membranes 6275
pollen 3038
Pseudomonas solanacearum 6183
seeds 5835
small nuclear RNA 3017
source sink relations 5233
stearoyl-CoA desaturase 6280
sucrose synthase 317
genetic transformation 989
Agrobacterium rhizogenes 2441, 4389
Agrobacterium tumefaciens 1674, 2556, 3848, 4941, 4943
cell division 5656
β-conglycinin 5226
cytochrome P-450 5116
cytosine deaminase 1681
development 860, 5212
elongation factors 4601
flowers 5212
heat shock proteins 4904, 6558
herpes simplex virus 4391
Heterodera schachtii 1889
homeo box 860
light 1908
lipid transfer proteins 6431
Meloidogyne incognita 1889
phytochrome 1908, 3042, 4601
pollen 4610, 5343
ribulose-bisphosphate carboxylase 1370
stearoyl-CoA desaturase 1293
techniques 3857, 4389, 4391, 4941, 4943
thymidine kinase 4391
transposable elements 1323, 1996, 2458, 6558
tryptophan synthase 864
β-tubulin 1611
genetics
growth period 5270
nomenclature 5679
phytochrome 5679
techniques 5343
immunology, G proteins 2483
induced mutations
Agrobacterium tumefaciens 2556
regeneration 6661
shoots 6661
stearoyl-CoA desaturase 1293
temperature 6661
insertional mutagenesis
colour 5905
transposable elements 5905
lethals, cytosine deaminase 1681
mitochondrial genetics
acyl carrier protein 6308
apocytochrome *b* 724
pseudogenes 724
ribosomes 724
molecular genetics
auxins 3024
blue light 3024
DNA photolyases 3024
ethylene 3024
flowering 1877

Arabidopsis thaliana cont.
molecular genetics *cont.*
flowers 1909, 1914
homeotic genes 1909
light 1880
nutrient transport 335
plant development 1877, 1909, 1914
plant hairs 5827
Pseudomonas syringae 2841
repetitive DNA 6551
stearoyl-CoA desaturase 6272
stress 3024
sugars 335
systemic acquired resistance 3024
transcription factors 5827
γ-tubulin 4013
multiple alleles
nomenclature 5679
phytochrome 5679
mutations
acetolactate synthase 4439
anthocyanins 3470
anthranilate synthase 862
development 5768, 5813, 5855
elongation factors 4601
embryogenesis 5813
ethylene 725
gamma radiation 4205
herbicide resistance 4439
homeotic genes 4631
light 5768, 5831, 5855
ovules 4631
phytochrome 4601
phytochrome A 728
pollen 5343
techniques 4205
tryptophan 862
ultraviolet radiation 4205
nucleotide sequences 1807
abscisic acid 2485, 5092, 5115, 5118
ACC synthase 2366
acetyl-CoA carboxylase 6305
acyl carrier protein 6308
acyl-carrier-protein thioesterase 4003
adenine nucleotide translocator 1283
adenosinetriphosphatase 4006, 5652
5′-adenylylphosphosulfate kinase 6274
albumins 4607
amino acid permease 1904
amino acid transporter 212
ammonium transporter 6296
anthocyanins 3470
anthranilate synthase 862
apocytochrome *b* 724
aspartate carbamoyltransferase 5671
aspartate kinase 5643
auxin binding proteins 5691
blue light 2345
calcium binding proteins 721, 5652
calmodulin 3991
calnexin 2945
carbonate dehydratase 6265, 6277
chaperonins 211
chlorates 3498
chlorophyll 4007
chlorophyll *a/b* binding protein 5129, 6334
cold 2485, 5092
cold resistance 5128
cyclophilin 6287
cysteine proteinases 5448
cytosine methyltransferase 208
desiccation 5448
dihydrodipicolinate synthase 6325
DNA binding proteins 224, 747, 1349, 5119, 5526
DNA photolyases 2345
drought 5092
elicitors 5526
endoplasmic reticulum retention receptor 2952
epoxide hydrolase 6279
ethylene 725
far red light 281
flowering 3486
β-fructofuranosidase 5687
G proteins 2476, 5093, 5132
geranylgeranyl pyrophosphate synthase 5688
gibberellic acid 4555

Arabidopsis thaliana cont.
nucleotide sequences *cont.*
β-glucanase 3998
glucose-1-phosphate adenylyltransferase 3499
glucose-6-phosphate isomerase 1836
glutamate 1-semialdehyde 2,1-aminomutase 4007
glutamine tRNA reductase 4007
glycinamide ribonucleotide transformylase 5685
growth regulators 2485
heat shock proteins 6717
heavy metals 5712
herbicide resistance 3498
homeo box 281
homeotic genes 224
imidazoleglycerol-phosphate dehydratase 6317
laminins, receptors 2928
leucine zipper 281
light 5831
lipoxygenase 3468
membrane proteins 223, 1288, 4555
metallothionein 5712
methyltransferases 5123
nitrates 3498
nutrients 3498
orotate phosphoribosyltransferase 5671
orotidine-5′-phosphate decarboxylase 5671
pathogenesis-related proteins 5522, 5526
peroxidases 5110
phosphatidylcholine desaturase 3491
phosphoprotein phosphatase 5115, 5118
phosphoribosylamine-glycine ligase 5685
phosphoribosylformylglycinamidine cyclo-ligase 222
photosystem II 4541
phytochrome 6257
phytochrome A 728
phytoene desaturase 4564
phytoene synthase 5689
plant hairs 3477, 6303
plant water relations 6275
plasma membranes 6275
protein kinase 1288, 2369, 2929
proteinases 2374
pseudogenes 724
purines 222
pyrroline-5-carboxylate reductase 2723
recombination 2930
repetitive DNA 6554
ribonucleases 2963
ribosomes 214, 724, 2946
RNA 5691
RNA binding proteins 274, 1260
salinity 2723
satellite DNA 6554
senescence 2963
serine phosphatase 3492
signal recognition protein 3487
stearoyl-CoA desaturase 1293, 6297
sucrose transporter 5682
sulfate adenylyltransferase 6285
thioglucosidase 2933
thiol protease 5704
threonine phosphatase 3492
transcription factors 3477, 5119
triose-phosphate isomerase 5690
tryptophan 862
γ-tubulin 4013
ubiquitin 4567, 6269
ubiquitin conjugating enzyme 1241
water balance 223
Xanthomonas campestris 5522
polymerase chain reaction
dihydrodipicolinate synthase 6325
glucose-1-phosphate adenylyltransferase 3499
plant hairs 6303
repetitive DNA 6554
satellite DNA 6554
signal recognition protein 3487
techniques 407

Arabidopsis thaliana cont.
promoters
abscisic acid 5092
ACC oxidase 334
ACC synthase 334
albumins 4607
calmodulin 3991
chlorophyll *a/b* binding protein 5221
cold 5092
cold resistance 3790
development 860
DNA binding proteins 5526
drought 5092
drought resistance 2722
elicitors 5526
ethylene 334
glyceraldehyde-3-phosphate dehydrogenase 6399
heat shock proteins 5849
Heterodera schachtii 1889
homeo box 860
light 311, 6399
Meloidogyne incognita 1889
oleosins 5835
pathogenesis-related proteins 5526
peroxidases 3022
photosynthesis 5221
phytochrome 3042
plant hairs 2455
plastocyanins 1929
pollen 3038
ribosomal DNA 283
salinity 2722
seeds 5835
small nuclear RNA 3017, 4089
stress 2722, 4358
protoplast fusion 3318
protoplasts, regeneration 504
random amplified polymorphic DNA
avirulence 6197
Peronospora parasitica 1999, 6197
Pseudomonas syringae 113
recombination
acetolactate synthase 4439
herbicide resistance 4439
restriction fragment length polymorphism 2544
avirulence 6197
ecotypes 1985
flowering 2542
growth period 5270
Peronospora parasitica 1999, 6197
Pseudomonas syringae 1983
vernalization 2542
RNA editing, mitochondrial genetics 5851
selectable markers
acetolactate synthase 4439
herbicide resistance 4439
tissue culture 989
nonionic surfactants 3726
regeneration 6661
shoots 6661
temperature 6661
transcription factors, light 5831
yeast artificial chromosomes 4160
repetitive DNA 6551
Arachidonate 12-lipoxygenase
gene expression, rats 1233
nucleotide sequences, rats 1233
restriction fragment length polymorphism, pigs 4665
Arachidonic acid epoxygenase
cytochromes
gene expression, rats 5589
nucleotide sequences, rats 5589
Arachis cardenasii, gene mapping, restriction fragment length polymorphism 3635
Arachis hypogaea
DNA replication, germination 4657
embryo culture, somatic embryogenesis 2622, 6618
gene expression
phosphinothricin acetyltransferase 6199
tomato spotted wilt tospovirus 6199
genetic transformation 2787, 6139
phosphinothricin acetyltransferase 6199
tomato spotted wilt tospovirus 6199

Arachis hypogaea *cont.*
molecular genetics, stilbene synthase 4112
tissue culture
peanut mottle potyvirus 465
peanut stripe potyvirus 465
regeneration 3708
somatic embryogenesis 2114, 2622, 3173, 5383
tomato spotted wilt tospovirus 465
Arachis paraguariensis, protoplasts 1009
Arachis stenosperma, gene mapping, restriction fragment length polymorphism 3635
Aralia cordata, tissue culture, anthocyanins 4478
Aranda
gene expression, flowers 1817
nucleotide sequences, flowers 1817
Arcelin
genetic engineering, *Phaseolus vulgaris* 103
genetic transformation, *Nicotiana tabacum* 103
Arctic foxes
embryos, biotechnology, reviews 2054
major histocompatibility complex, nucleotide sequences 6244
Arginine decarboxylase
gene expression, *Lycopersicon esculentum* 2471
nucleotide sequences, *Lycopersicon esculentum* 2471
Arginine vasopressin
gene mapping, restriction fragment length polymorphism, mice 367
restriction fragment length polymorphism, cattle 370
Argininosuccinate lyase, promoters, nucleotide sequences, brain, rats 3955
Argininosuccinate synthase
mutations, detection, embryos, cattle 1482
targeted mutagenesis, citrullinaemia, mice 6164
Armoracia rusticana
gene expression, peroxidases 3028
genetic engineering, peroxidases 3028
genetic transformation, *Agrobacterium rhizogenes* 1023, 4298, 4440
promoters, peroxidases 3028
somaclonal variation 4266
tissue culture 4266, 4298
organogenesis 1023
peroxidases 4440
Arnica montana
tissue culture
lactones 4467
terpenoids 4467
Aroclor, bioremediation, soil, *Pseudomonas cepacia* 2705
Aromatic-L-amino-acid decarboxylase
cell culture
Catharanthus roseus 1741
Tabernaemontana divaricata 1741
gene expression
Catharanthus roseus 2357
Nicotiana tabacum 2357
genetic engineering, *Catharanthus roseus* 2357, 4639
genetic transformation, *Nicotiana tabacum* 2357, 4639
nucleotide sequences, *Catharanthus roseus* 2357
promoters, *Catharanthus roseus* 2357
tissue culture, *Peganum harmala* 4445
Aromatic compounds
genetic engineering, plants 5540
in vitro culture, plants 5540
Arrestin, promoters, gene expression, DNA binding proteins, mice 5737
Artemisia absinthium
bioreactors
essential oils 4463
terpenoids 4463
genetic transformation, *Agrobacterium rhizogenes* 4463
tissue culture
essential oils 4463
terpenoids 4463
Artemisia annua, tissue culture, qinghaosu 3918
Arteries
luciferase
gene expression, gene therapy, dogs 11
gene transfer, liposomes, dogs 11
Arthritis
animal models, books 5466
migration inhibitory factor, macrophages, gene expression, rats 4581
Arthrobacter
Pseudomonas
carbofuran, bioremediation 2715
insecticides, bioremediation 2715
Artichoke mottled crinkle tombusvirus, genetic transformation, antibodies, *Nicotiana benthamiana* 2853
Artificial insemination
frequency, embryos, recovery, cattle 3767
genetic improvement, cattle, reviews 3231
oestrus, synchronization, pregnancy rate, cattle 6695
site, pregnancy rate, semen, freezing, sheep 6697
spermatozoa
encapsulation
cattle, techniques 5408
pigs, techniques 5408
techniques, sheep 6697
Artificial seeds
anther culture, *Brassica oleracea* 2672
in vitro culture, conifers 2075
tissue culture 461
Apium graveolens 2628
Asparagus cooperi 5387
Carica papaya 1037
Daucus carota 4814
Zingiber officinale 4292
Artiodactyla, T lymphocytes, receptors, repetitive DNA, polymorphism 1393
Artocarpus heterophyllus, tissue culture 2074, 2653
Artocarpus integer, nucleotide sequences, lectins 2970
Arundinaria pygmaea
in vitro selection
bamboo mosaic potexvirus 6633
salinity 6633
protoplasts 6633
tissue culture 6633
Arylphorin, genetic transformation, *Solanum tuberosum* 6168
Ascochyta pisi
gene expression, *Pisum sativum* 1927
nucleotide sequences, *Pisum sativum* 1927
Ascochyta rabiei
gene expression, *Cicer arietinum* 4022
nucleotide sequences, *Cicer arietinum* 4022
Ascorbate oxidase
gene expression
Cucumis sativus 6415
Nicotiana tabacum 6415
genetic transformation, *Nicotiana tabacum* 6415
nucleotide sequences, *Cucumis sativus* 6415
promoters, *Nicotiana tabacum* 6415
Ascorbate peroxidase
cloning, plants, reviews 5633
gene expression, *Pisum sativum* 4098
genetic engineering, plants, reviews 5633
nucleotide sequences, *Glycine max* 2934
Asia
biotechnology
economic impact 3795
organization of research 2
policy 2
Asialoglycoproteins, receptors, nucleotide sequences, mice 710
Asparaginase
gene expression, *Nicotiana tabacum* 6378
genetic engineering, *Lupinus angustifolius* 6378
genetic transformation, *Nicotiana tabacum* 6378
promoters, *Lupinus angustifolius* 6378
Asparagus, tissue culture, organogenesis 2081
Asparagus cooperi
tissue culture
artificial seeds 5387
somatic embryogenesis 5387
Asparagus officinalis
anther culture 1060
cell culture
lasers 4219
techniques 4219
gene expression
aspartate-ammonia ligase 1250
pathogenesis-related proteins 5853
genetic transformation, protoplasts 5487
in vitro culture, cryopreservation 3747
induced mutations, somatic embryogenesis 5385
nucleotide sequences, aspartate-ammonia ligase 1250
promoters, pathogenesis-related proteins 5853
protoplasts 1060
somaclonal variation, somatic embryogenesis 5385
tissue culture 459
cryopreservation 490
somatic embryogenesis 490, 3200
Aspartate aminotransferase
genetic engineering, *Lupinus angustifolius* 5131
molecular genetics, *Medicago sativa* 2448
nucleotide sequences, *Lupinus angustifolius* 5131
Aspartate-ammonia ligase
gene expression
Asparagus officinalis 1250
Pisum sativum 3544
genetic engineering, *Pisum sativum* 3544
genetic transformation, *Nicotiana tabacum* 3544
nucleotide sequences, *Asparagus officinalis* 1250
Aspartate carbamoyltransferase
gene expression, *Pisum sativum* 6328
nucleotide sequences
Arabidopsis thaliana 5671
Pisum sativum 745, 6328
Aspartate kinase
genetic transformation, *Nicotiana tabacum* 1920
nucleotide sequences, *Arabidopsis thaliana* 5643
Aspergillosis, ELISA, diagnosis, cattle 2581
Aspergillus awamori, starch, fermentation, ethanol production 2711
Aspergillus fumigatus, toxins, targeted mutagenesis, pathogenicity 2253
Aspergillus oryzae, aflatoxins, detection, ELISA 3157
Aspergillus sojae, aflatoxins, detection, ELISA 3157
Aspergillus sydowii, lignocellulosic wastes, jute, utilization, enzymes, production 6093
Aspirin, gene expression, *Lycopersicon esculentum* 326
Asplenium nidus, in vitro culture, regeneration 1054
Assays
DNA methylation, polymerase chain reaction 2029
monoclonal antibodies, isotyping, techniques 5331
Asteridae
chloroplast genetics
ribulose-bisphosphate carboxylase 1824
taxonomy 1824
nucleotide sequences
ribulose-bisphosphate carboxylase 1824
taxonomy 1824
Astragalus
nucleotide sequences, ribosomal DNA 2378
polymerase chain reaction, ribosomal DNA 2378
Atalantia ceylanica, protoplast fusion 1688

Atherosclerosis
animal models
books 5466
mice 2233
apolipoproteins, gene expression, transgenics, mice 6161
lipoproteins, transgenics, animal models, reviews 5508
Atlantic salmon, semen, freezing, semen diluents 1044
Atmosphere, carbon dioxide, fixation, algae 6088
Atrazine
cell culture, *Amaranthus retroflexus* 140
ELISA
soil 450
water 450
in vitro selection, *Solanum tuberosum* 2272
mutations, *Solanum tuberosum* 2272
Atrial natriuretic factor, enhancers, transcription, cell lines, rats 1844
Atriplex nummularia
gene expression
adenosinetriphosphatase 1912, 2720
salinity 1912, 2720
nucleotide sequences, glyceraldehyde-3-phosphate dehydrogenase 5672
Atropa belladonna
gene expression, hyoscyamine (6*S*)-dioxygenase 6276
genetic transformation
6β-hydroxyhyoscyamine 3389
Agrobacterium rhizogenes 3389
alkaloids 3389
hyoscyamine (6*S*)-dioxygenase 6276
hyoscyamine (*S*)-dioxygenase 3389
scopolamine 3389
protoplast fusion 1685
Aujeszky virus
recombinant vaccines
biosafety 1189
recombination, experimental infection, pigs 142
Australia
breeding, genetic variation, Crustacea 6124
conferences
Australian Society for Biochemistry and Molecular Biology 1634
International Embryo Transfer Society 2603, 3159-3163, 3165, 3234, 3237, 3241, 3285
dairy industry, biotechnology, policy 4381
DNA fingerprinting 5344
reproduction, genetic variation, Crustacea 6124
Autoantibodies, transgenics, autoimmune diseases, mice 4412
Autoantigens, nucleotide sequences, rats 697
Autoimmune diseases, autoantibodies, transgenics, mice 4412
Autoimmunity, mutations, mice 2995
Automation
DNA, electrophoresis 5947
DNA sequencing 5947
biosensors, techniques 4744
books 5460
polymerase chain reaction 5947
buffers, techniques 3101
tissue culture, plants 3742
Auxin binding proteins
cell culture, *Hyoscyamus muticus* 5981
gene expression, *Zea mays* 338, 1259
nucleotide sequences
Arabidopsis thaliana 5691
Zea mays 338, 1259
promoters, *Zea mays* 338
Auxins
gene expression
Arabidopsis thaliana 3024
Fragaria ananassa 6406
Glycine max 5222, 5822
Hordeum vulgare 2776
Lycopersicon esculentum 2375
Nicotiana tabacum 275, 2776
Vigna radiata 6440
gene mapping, *Glycine max* 5822
genetic engineering
Hordeum vulgare 2776
Auxins *cont.*
genetic engineering *cont.*
Nicotiana tabacum 2776
genetic transformation 4990
Nicotiana tabacum 5222
plants 3014
molecular genetics
Arabidopsis thaliana 3024
plants, reviews 6387
nucleotide sequences, *Lycopersicon esculentum* 2375
promoters
Glycine max 5822
Hordeum vulgare 2776
Nicotiana tabacum 2776
protoplasts, *Nicotiana tabacum* 6137
tissue culture, plants 2620
Avena, genetic engineering, phytochrome 6362
Avena brevis, embryo culture, interspecific hybridization 503
Avena fatua
gene expression
dormancy 4078
seeds 4078
Avena sativa
antibodies
globulins 315
light 344
phytochrome 344
DNA binding proteins, phytochrome 5120
DNA hybridization
evolution 4717
ribosomal DNA 4717
embryo culture, interspecific hybridization 503
gene expression
actin 4072
development 4628
DNA binding proteins 4101
gibberellic acid 4628
globulins 315
internodes 4628
light 344
phytochrome 344, 4072, 4101, 5120
RNA 4072
β-tubulin 4072, 4628
genetic markers
avenin 6177
Puccinia coronata 6177, 6193
Puccinia graminis 6177
molecular genetics
actin 4072
phytochrome 4072
RNA 4072
β-tubulin 4072
nucleotide sequences
DNA binding proteins 5120
β-glucanase 2971
promoters
DNA binding proteins 4101
phytochrome 4101, 5120
random amplified polymorphic DNA, *Puccinia coronata* 1724
restriction fragment length polymorphism 5296
evolution 4717
Puccinia coronata 6193
ribosomal DNA 4717
Avena sterilis, random amplified polymorphic DNA, variety classification 3085
Avena strigosa, embryo culture, interspecific hybridization 503
Avenin, genetic markers, *Avena sativa* 6177
Averrhoa carambola, tissue culture 456
Aviadenovirus
antigens, detection, ELISA, fowls 417
DNA, structure, electron microscopy 1154
Avian influenzavirus, ELISA, diagnosis, turkeys 1486-1487
Avirulence
genetic engineering, *Fulvia fulva* 1707
random amplified polymorphic DNA, *Arabidopsis thaliana* 6197
restriction fragment length polymorphism, *Arabidopsis thaliana* 6197
Azadirachta indica, anther culture 1055
Azorhizobium
nucleotide sequences
evolution 173
ribosomal RNA 173
Azospirillum brasilense, nucleotide sequences, nitrogen fixation 174
Azotobacter vinelandii
gene expression, nitrogen fixation 204
nucleotide sequences, nitrogen fixation 204
B-hordein, DNA hybridization, techniques, *Hordeum vulgare* 3098
B lymphocytes
activation, proteins, nucleotide sequences, mice 3435
anergy, immunoglobulins, anti-DNA antibodies, transgenics, mice 3878
antigens
gene mapping
DNA hybridization, mice 4141
restriction fragment length polymorphism, mice 4141
nucleotide sequences, mice 1227
differentiation
immunoglobulins, transcription, mice 3519
Retroviridae, transcription, mice 3519
gene expression, immunoglobulins, targeted mutagenesis, embryonic stem cells, mice 5006
gene transfer, antisense DNA, major histocompatibility complex, transgenics, mice 5497
immunoglobulins
gene conversion, pseudogenes, fowls 5745
somatic mutations, nucleotide sequences, mice 3528
transcription, enhancers, DNA methylation, mice 4047
isotype switching, molecular genetics, mice 614
lymphocyte antigens, class switching, mice 2806
maturation factors, nucleotide sequences, mice 3985
proto-oncogenes, targeted mutagenesis, mice 1746
transcription factors, targeted mutagenesis, mice 613
Babesia, recombinant vaccines 61
Babesia bigemina
DNA probes, detection 2037
ELISA, detection 4229
Babesia bovis
DNA probes, detection 2037
ELISA, detection 4229
nucleotide sequences 62
tubulin, nucleotide sequences 57
Bacillus, nucleotide sequences, xylan endo-1,3-β-xylosidase 2714
Bacillus cereus, ELISA, detection, milk 3140
Bacillus coagulans, probiotics, biomass, feed conversion efficiency 5436
Bacillus sphaericus
biological control, toxins, reviews 4345
cyclomaltodextrinase
gene expression, *Escherichia coli* 1297
nucleotide sequences 1297
toxins, gene expression 2692
Bacillus stearothermophilus, phenols, biodegradation, catechol, production, kinetics 6087
Bacillus thuringiensis
biological control, toxins, reviews 4345
genetic engineering
crops 3369
Gossypium 3369
Gossypium hirsutum 3913
pests, plants 3354
genetic transformation
Chilo suppressalis, Oryza sativa 603
Cnaphalocrocis medinalis, Oryza sativa 603
Juglans regia 4983
Nicotiana tabacum 103
Plutella xylostella, Brassica oleracea 88
Populus alba 3858

Bacillus thuringiensis *cont.*
genetic transformation *cont.*
Populus grandidentata 3858
Solanum tuberosum 127
Zea mays 3299
toxins
genes, cryptic, nucleotide sequences 3950
nucleotide sequences 1296
plasmids, gene expression 4343
restriction analysis 4344
Bacillus thuringiensis* subsp. *darmstadiensis, repetitive DNA, nucleotide sequences 4895
Bacillus thuringiensis* subsp. *israelensis
endotoxins, promoters, nucleotide sequences 3261
toxins, melanin, *Aedes aegypti,* protection 4894
Bacillus thuringiensis* var. *israelensis, toxins, cloning 2692
Bacteria
DNA, techniques 4757
DNA probes, detection, milk products 2579
gene expression
plants 1172
somatotropin, fishes, cloning 6079
gene transfer
release 1626
transposable elements, intestines, mammals, reviews 565
genetic engineering
crops 3910
release 1626
genetic transformation
biosafety 1627
release 1627
genetically engineered microorganisms, release, soil, reviews 2734
identification, ribosomal RNA, restriction fragment length polymorphism, Leptospiraceae 415
nucleotide sequences, *Citrus* 133
pollutants, biodegradation, monitoring, DNA probes 2703
polymerase chain reaction, techniques 4757
transcription, termination, mitochondrial DNA, rats 3535
Bacterial diseases, immune response, targeted mutagenesis, mice, reviews 6211
Bacteriophages (*see also* Vectors)
selection, techniques, β-galactosidase, *Escherichia coli* 3664
targeted mutagenesis, DNA, triplex, psoralen 153
vectors
DNA libraries, construction 3317
recombinant DNA, electroporation 4386
Baculoviridae
cloning, crustacea, *Penaeus monodon* 71
insects, cells, gene expression 2220
polypeptide *N*-acetylgalactosaminyltransferase, gene expression, insects, cells 5581
vectors 5475
gene expression, insects, cells 2771
Bamboo mosaic potexvirus
immunological techniques, *Bambusa* 437
in vitro selection
Arundinaria pygmaea 6633
Bambusa multiplex 6633
Bambusa oldhami 6633
Phyllostachys aurea 6633
RNA probes, *Bambusa* 437
Bambusa
immunological techniques, bamboo mosaic potexvirus 437
RNA probes, bamboo mosaic potexvirus 437
Bambusa glaucescens, tissue culture, somatic embryogenesis 6634
Bambusa multiplex
in vitro selection
bamboo mosaic potexvirus 6633
salinity 6633
protoplasts 6633
tissue culture 6633
Bambusa oldhami
in vitro selection
bamboo mosaic potexvirus 6633
salinity 6633
protoplasts 6633
tissue culture 6633
Bambusa tulda, tissue culture, regeneration 6651
Bambusa vulgaris, tissue culture, regeneration 6651
Barbarea vulgaris
protoplast fusion 4961
restriction fragment length polymorphism 4961
Barley yellow dwarf luteovirus
ELISA, detection 3673
gene expression, RNA 2258
molecular genetics, RNA 2258
Bean common mosaic potyvirus
genetic markers, *Phaseolus vulgaris* 6181
random amplified polymorphic DNA, *Phaseolus vulgaris* 6181
Bean yellow mosaic potyvirus
genetic transformation
antisense DNA, *Nicotiana benthamiana* 2259
coat proteins, *Nicotiana benthamiana* 2259
Beef herds, DNA fingerprinting, parentage, cattle 5338
Beet cryptic III alphacryptovirus
DNA probes, *Beta vulgaris* 136
nucleotide sequences
Beta vulgaris 136
RNA 3383
RNA polymerase 3383
Beet necrotic yellow vein furovirus, genetic engineering, *Beta vulgaris,* sugarbeet 3796
Beet western yellows luteovirus
ELISA
detection 2587
Myzus persicae 2587
monoclonal antibodies, detection 2587
Begonia hiemalis, somaclonal variation 2300
Behaviour
mutagenesis, mice, reviews 6346
protein-tyrosine kinase, targeted mutagenesis, suckling, mice 3409
targeted mutagenesis, mice, reviews 6346
Benzophenanthridine, cell culture, *Corydalis* 4460
Benzyladenine
gene expression, *Cucumis sativus* 3036
tissue culture, *Raphanus sativus* 2077
Berberine, cell culture, *Thalictrum minus* 1734
Bertholletia excelsa
gene expression, albumins 2245
genetic engineering, albumins 2245
Beta
nucleotide sequences
repetitive DNA 4019
satellite DNA 4019
Beta maritima
mitochondrial genetics
cytoplasmic male sterility 6075
nucleocytoplasmic interaction 6075
protoplasts 4281
tissue culture 3754
Beta vulgaris
DNA libraries, yeast artificial chromosomes 6522
DNA probes, beet cryptic III alphacryptovirus 136
gene expression
adenosinetriphosphatase 5708
Cercospora beticola 5529
chitinase 5529
cytoplasmic male sterility 5708
fructose-bisphosphatase 4615
pathogenesis-related proteins 5529
ribulose-bisphosphate carboxylase 4615
source sink relations 4615
genetic engineering 1654
biosafety 3797
herbicide resistance 3797
release 3797
genetic transformation
Agrobacterium tumefaciens 572
Beta vulgaris *cont.*
genetic transformation *cont.*
β-glucuronidase 4398
techniques 4398
in vitro culture 1570
in vitro selection
cold resistance 5447
ultraviolet radiation 2875
mitochondrial genetics
adenosinetriphosphatase 221
cytoplasmic male sterility 221, 2547, 4646, 6075
NADH dehydrogenase (ubiquinone) 2364
nucleocytoplasmic interaction 6075
RNA editing 4646
nucleotide sequences
adenosinetriphosphatase 221, 5708
beet cryptic III alphacryptovirus 136
chitinase 5529
cytoplasmic male sterility 221, 5708
NADH dehydrogenase (ubiquinone) 2364
pathogenesis-related proteins 5529
ovule culture
colchicine 6683
cytoplasmic male sterility 6680
haploidy 6680
plant embryos 6680
polyploidy 6683
protoplasts 4267, 4281
tissue culture 3754, 4845
regeneration 4268
fodder beet, *in vitro* selection 1576
sugarbeet
gene mapping 6123
genetic engineering, beet necrotic yellow vein furovirus 3796
in vitro selection 1576
ovule culture, haploidy 4322, 6690
restriction fragment length polymorphism 6123
Betaine, embryos, *in vitro* development, mice 1041
Betaine-aldehyde dehydrogenase
gene expression, *Spinacia oleracea* 6419
genetic engineering, *Spinacia oleracea* 6419
genetic transformation, *Nicotiana tabacum* 6419
Betula pendula
gene expression
embryology 1280
plant embryos 1280
nucleotide sequences
embryology 1280
plant embryos 1280
Bibliographies
biotechnology 1094-1095
patents 1095
transgenics, fishes 2241
Bicarbonates
in vitro fertilization, cattle 4871
spermatozoa, penetration, *in vitro,* ova, cattle 4871
Bifidobacterium, probiotics, liveweight gain, pigs 2690
Biglycan
gene mapping
restriction fragment length polymorphism, mice 883
yeast artificial chromosomes, pulsed field electrophoresis, mice 883
Bikunin
precursors
gene mapping, restriction fragment length polymorphism, mice 4502
nucleotide sequences, mice 4502
Bilanafos
genetic transformation, *Triticum aestivum* 1118
in vitro selection, *Zea mays* 3854
Zea mays 5539
Bile
glycoproteins
gene expression, mice 3440
nucleotide sequences, mice 3440
Bile acids
binding proteins
gene expression, rats 5145

Bile acids *cont.*
binding proteins *cont.*
nucleotide sequences, rats 5145
cholesterol 7α-monooxygenase, transcription, enhancers, mice 4057
Binding proteins
androgens
promoters, rats 1320
RNA, alternative splicing, rats 1320
targeted mutagenesis, cell lines 155
bile acids
gene expression, rats 5145
nucleotide sequences, rats 5145
c-AMP, response element, targeted mutagenesis, transcription factors, mice 6210
calcium, nucleotide sequences, rats 3454
calmodulin
gene expression
brain, rats 5595
Zea mays 2960
nucleotide sequences
brain, rats 5595
Zea mays 2960
cyclophilin
gene expression, cell lines 180
nucleotide sequences, mice 180
enhancers, myosins, gene expression, transgenics, mice 579
fatty acids
promoters, gene expression, transgenics, mice 5758
transcription
transgenics
cell lines 592
mice 592
β-galactoside, gene mapping, DNA hybridization, mice 357
gastrin, nucleotide sequences, pigs 2884
gene expression
genes, homeo box, retina, quails 5134
Nicotiana tabacum 2467
glucocorticoids, phosphoenolpyruvate carboxykinase, transcription, cell lines 788
immunoglobulins
gene expression, mice 684
nucleotide sequences, mice 684
insulin-like growth factor
gene expression, mammary glands, cell lines, cattle 5015
gene mapping, mice 678
nucleotide sequences
mice 678
rats 1793
kallikrein, gene expression, *Escherichia coli,* rats 801
lipids, nucleotide sequences, rats 658
mitochondrial DNA, nucleotide sequences, rats 713
oncogenes, transcription, mice 795
opioids, gene mapping, mice 882
phosphate
mitochondria
gene expression, cattle 5035
nucleotide sequences, cattle 5035
RNA, alternative splicing, cattle 5035
protein kinase
gene expression, brain, rats 769
promoters, brain, rats 769
riboflavin, mutations, nucleotide sequences, fowls 2331
RNA
gene expression, genes, agouti, mice 805
nucleotide sequences, genes, agouti, mice 805
selectins
gene expression, mammary glands, mice 5172
nucleotide sequences, mice 5172
sex hormones, targeted mutagenesis, cell lines 155
tyrosine kinase
receptors
gene expression
ovaries, mice 1311
testes, mice 1311

Binding proteins *cont.*
tyrosine kinase *cont.*
receptors *cont.*
mutations
gene expression
ovaries, mice 1306
Sertoli cells, germ cells, binding, mice 1312
testes, mice 1306
Y-box
gene expression, liver, fowls 5729
nucleotide sequences, liver, fowls 5729
Binding site, DNA, progesterone, receptors, fowls 815
Biochemical polymorphism
casein, restriction fragment length polymorphism, cattle 912, 3606
β-lactoglobulin, polymerase chain reaction, restriction fragment length polymorphism, sheep 375
milk proteins, goats, reviews 3969
Biodegradation
2,4-D, bioreactors, plasmids, *Alcaligenes eutrophus* 2693
enzymes
Ganoderma applanatum 6636
Lenzites elegans 6636
Pycnoporus sanguineus 6636
poultry manure, application to land, Saudi Arabia 3785
protoplasts
Ganoderma applanatum 6636
Lenzites elegans 6636
Pycnoporus sanguineus 6636
refuse, application to land, Saudi Arabia 3785
Biodiversity, policy, Developing Countries 2199
Biofilters
ammonia, nitrogen fixation, pigs, economics 2696
herbicides, bioremediation 2693
Biogas
crops, biomass 2701
production
anaerobic digesters
design 3266
India 3265
cattle slurry, anaerobic digesters, design, India 6091
Chlorella vulgaris, anaerobic digestion 5445
manures, anaerobic digesters, design, Czech Republic 3267
slurries, Germany 2709
Zea mays, alcohols, fermentation 2704
Biolistics
gene transfer
cell lines 6130
reviews 4958
trachea
fowls 2207
mice 2207
Biological control
Gaeumannomyces graminis, Triticum aestivum 538
genetic engineering, plant diseases 539
genetic transformation, plant diseases 537
Subanguina picridis, Acroptilon repens 495
toxins
Bacillus sphaericus, reviews 4345
Bacillus thuringiensis, reviews 4345
Biological filtration, dairy factories, waste water treatment, USA 4348
Biological treatment, organic compounds, agricultural wastes 3784
Biomass
biogas, crops 2701
ethanol production
crops 2701
transport, fuels, USA 4898
oils, crops 2701
probiotics, *Bacillus coagulans,* feed conversion efficiency 5436
Bioreactors
Agrobacterium rhizogenes
Panax pseudoginseng 5442
Tagetes erecta 2694

Bioreactors *cont.*
animals, conferences 5459
cell culture 1549
coal mine spoil, sulfur, removal, coal, microorganisms 6084
Coffea arabica 1607
2,4-D, biodegradation, plasmids, *Alcaligenes eutrophus* 2693
Dianthus caryophyllus 3783
essential oils, *Artemisia absinthium* 4463
fluidized beds, coal, liquifaction, hydrodynamics 6085
ginsenoside, *Panax pseudoginseng* 1736
glycosides, *Panax pseudoginseng* 5442
Lactuca sativa 1079
municipal solid wastes, composting 3786
plants, reviews 608
quinones, *Lithospermum erythrorhizon* 3395
refuse, composting 3786
secondary metabolites, plants 3394
shikonin, *Lithospermum erythrorhizon* 3395
Solanum tuberosum 4346
solavetivone, *Hyoscyamus muticus* 1191
somatic embryogenesis 1549
Daucus carota 4262, 5439
Stevia rebaudiana 3781
techniques
Catharanthus roseus 3263
Perilla frutescens 1608
terpenoids, *Artemisia absinthium* 4463
Bioremediation
carbofuran, *Pseudomonas, Arthrobacter* 2715
herbicides, biofilters 2693
insecticides
Phanerochaete chrysosporium 2697
Pseudomonas, Arthrobacter 2715
Biosafety
Aujeszky virus, recombinant vaccines 1189
biotechnology 549, 2730, 3819
Developing Countries 6121
European Communities 547
regulations 6732
USA 1084
breeding, crops 6761
food, biotechnology 4359
foods
transgenics
fishes 4362
livestock 3275
reviews 3274
USA 3273
gene flow
Brassica napus 4363
Solanum dulcamara 6726
Solanum nigrum 6726
Solanum tuberosum 4363, 6726
genetic engineering 548, 1623, 1632
aquaculture, conferences 6738
Beta vulgaris 3797
books 6760
Brassica campestris 2183
Brassica napus 3801, 4363, 4365, 4911
Canada 1629
crops 3340, 3805, 3807
crustacea, conferences 6738
European Communities 1633, 3798
fishes, conferences 6738
foods
conferences 6738
ethics, reviews 5457
USA 6727
France 2188
Japan 1629
Lycopersicon esculentum 2732, 5515, 6723
USA 6727
microorganisms 2193
neomycin phosphotransferase, plants 1087
plants 552, 1622, 2187, 2728, 3799, 3806, 4361, 4909
books 1646
reviews 6111
South America 1625
reports 3817
Rhizobium 551

Biosafety *cont.*
genetic engineering *cont.*
Scandinavia 1629
shellfish, conferences 6738
Solanum tuberosum 4363
UK 1088, 1629, 3798
USA 1629, 1633, 6731
genetic transformation
bacteria 1627
Brassica napus 1090
cowpea chlorotic mottle bromovirus, *Nicotiana benthamiana* 3363
crops 1621
Nicotiana bigelovii 2267
plants 3278, 4910, 6734
plum pox potyvirus, *Nicotiana benthamiana* 116
release, crops 1656
viruses, plants 606, 3804, 6728
zucchini yellow mosaic potyvirus, *Nicotiana benthamiana* 116
plant introduction, crops 1619
products, analytical methods, genetic engineering, regulations, opinions 5452
promoters, neomycin phosphotransferase, plants 1087
rabies virus, recombinant vaccines, sheep 1186
recombinant vaccines, nontarget organisms 1186
transgenics, fishes, conferences 5454
Biosensors
cells
morphology, mammals 3782
movement, mammals 3782
DNA sequencing, automation, techniques 4744
nitrates, *Pseudomonas aeruginosa* 2695
technology, reviews 3262
Biotechnology 6127
agricultural research, regulations, Developing Countries, reviews 2724
agriculture
economic impact 3794
Netherlands, books 6764
animal production, livestock 2752, 3302
aquaculture, genetic resources, economics, Developing Countries 2725
bibliographies 1094-1095
biosafety 549, 2730, 3819
Developing Countries 6121
European Communities 547
food 4359
regulations 6732
USA 1084
books 2736, 6759
breeders' rights, plants 3813
Chile 1099
China 8, 557
Citrus 3840
companies
Developing Countries 6718
Latin America 2181
Rhône-Poulenc 4920
USA 3299, 6720
cost benefit analysis, forest trees 4907
dairy industry, policy, Australia 4381
data banks, Brazil 1655
Developing Countries 6118, 6123, 6762
conferences 6739
dictionaries 2736
Dioscorea 1651, 1660
diseases, plants 3365-3366
economic impact
Asia 3795
Developing Countries 6724
economics 6721
conferences 6739
food 4359
education, public opinion 3280
embryos
arctic foxes, reviews 2054
foxes, reviews 2054
livestock, reviews 1657
engineering 559
environment 2730
environmental impact 1091, 2185
ethics 1089, 1091, 2185, 2189
foods, legislation, European Communities 5458
Biotechnology *cont.*
forest trees 2750
fungi 4913
genetic resources 1653, 3295
Costa Rica 1098
Developing Countries 3
heterosis 2157
reviews 1597
hybrid varieties 2157
India 3298
information services, Brazil 1655
intellectual property rights 1089, 6109
Developing Countries 3821, 6121
plants 3809
international cooperation, Developing Countries 2746
Latin America 1648
legal rights, books 6757
legislation
European Communities 1631
plants 3813
USA 3283
leisure 2749
livestock, Africa 2202
Manihot esculenta, directories 6746
marine biology, research, Japan 3296
medicinal plants, conferences 6113
Musa 2096
Netherlands, books 2189
nomenclature 1659
organization of research 1097
Africa 1660
Andean Group 1647
Asia 2
Côte d'Ivoire 1651-1652
crops 2197-2198
Cuba 2747
Developing Countries 2, 556, 1649, 2746, 6117, 6725
Eastern Europe 1096
ICGEB 1650
IIRSDA 1651
India 1650
Italy 1650
Oryza sativa 1, 1650
Turkey 2198
Oryza sativa 1658, 2753
patents 1081-1082, 1089, 6729
European Communities 1631
livestock 2729
GATT 6730
India 1085-1086
legislation, Eastern Europe 3803
plants 3809, 3813
USA 3283, 6730
pests, plants 3366
Pisum sativum 3297
plant protection, Developing Countries 7
plants 5, 10, 2200, 2749, 2754
Developing Countries 555
policy 6721
Andean Group 1647
Asia 2
books 1637
conferences 6739
Costa Rica 6122
Developing Countries 2, 556, 2199, 6117, 6121, 6724
profitability, ethics 3277
public opinion 549, 1083, 1091, 3277
books 1637
surveys, reviews 6735
public relations 3282
regulations 3819
European Communities 547
USA 1084
research, Hungary, livestock 3692
research support, UK 3837
reviews, *Brassica* 5468
social impact 2730
Côte d'Ivoire 1652
surveys, reviews 6735
sustainability 3293
India 3839
technology transfer
Developing Countries 1649, 3294, 6722, 6725
plants 6110
trade associations, Europe 4383
USA 6120, 6719
Biotransformation
alcohols, *Gardenia jasminoides* 4442
Amsonia tabernaemontana 4896
cannabinol, *Pinellia ternata* 4486
Capsicum 4896
cardenolides, *Digitalis grandiflora* 1737
enzymes
Ganoderma applanatum 6636
Lenzites elegans 6636
Pycnoporus sanguineus 6636
Eucalyptus perriniana 4474
fatty acids, *Pleurotus pulmonarius* 6203
flavour enhancers, plants, reviews 2275
flavourings, plants, reviews 2275
fragrance, plants, reviews 2275
glycosides, *Linum flavum* 2284
18β-glycyrrhetinic acid, *Panax pseudoginseng* 4443
Ipomoea angulata 4896
1-octen-3-ol, *Pleurotus pulmonarius* 6203
plants 3919
podophyllotoxin, *Linum flavum* 2284
protoplasts
Ganoderma applanatum 6636
Lenzites elegans 6636
Pycnoporus sanguineus 6636
Rubia tinctorum 4896
1,1,1-trifluoroheptane-2-ol, *Nicotiana tabacum* 2857
1,1,1-trifluoroheptane-2-one, *Nicotiana tabacum* 2857
triterpenoids, *Panax pseudoginseng* 4443
warfarin, *Catharanthus roseus* 4454
Bisbenzylisoquinoline, tissue culture, *Stephania cepharantha* 4484
Blaberus discoidalis, transferrin, nucleotide sequences 1215
Blastocyst
DNA, detection, polymerase chain reaction, cattle 962
embryonic development, preimplantation period, gene expression, mice, reviews 4045
freezing
survival
cryoprotectants
cattle 1532
mice 974
repetitive DNA, mice 1317
sex diagnosis, polymerase chain reaction, cattle 962
transgenics, detection, polymerase chain reaction, cattle 962
Blastokinin
promoters, gene expression, rabbits 794
transcription, regulation, prolactin, progesterone, rabbits 794
Blastomere
electrofusion, oocytes, enucleation, cattle 2609
nuclei, transfer, *in vitro* development, cattle 5974
oocytes, fusion, embryonic development, cattle 2056
sex diagnosis, polymerase chain reaction, cattle 903
Blood
DNA amplification, polymerase chain reaction, techniques 3121
ELISA
detection
bovine leukosis 1475
cells, dogs 2572
somatotropin, cattle 4763
pregnancy diagnosis
pregnancy specific protein, cattle 3247
progesterone, cattle 3247
somatotropin
hormones, cattle, lactation 4342
metabolites, cattle, lactation 4342
Blood coagulation factors
gene expression, transgenics, sheep 1694
gene transfer
Adenoviridae, vectors, liver cells, gene therapy, mice 2206
fibroblasts, gene therapy, mice 4939
liver, glycoproteins, receptors, rats 3304
receptor-mediated endocytosis, liver, rats 4933

Blood coagulation factors *cont.*
gene transfer *cont.*
retroviral vectors
fibroblasts
mice 1665
rats 1665
retroviral vectors, gene therapy, haemophilia, dogs 2765
transfection, liver cells, glycoproteins, receptors, rats 3304
Blood composition, probiotics, cattle 4340
Blood pressure
angiotensinogen, gene expression, transgenics, mice 583
linkage, steroid 11β-monooxygenase, rats 3049
renin, gene expression, transgenics, mice 583
Blood proteins
embryos, *in vitro* development, cattle 973, 6605-6606
esterases, gene mapping, rats 4142
Blood serum
embryos
freezing
survival
cattle 970
mice 970
in vitro development
cattle 4797, 5363, 5374, 6605
pigs 4793
sheep 4236
oocytes
in vitro fertilization
cattle 4797
sheep 5411
in vitro maturation
cattle 4866, 6671
pigs 5409
sheep 5411
Blood vessels
smooth muscle
polypeptides
gene expression, rabbits 248
nucleotide sequences, rabbits 248
Blue light
cell culture, *Lithospermum erythrorhizon* 4485
gene expression, *Arabidopsis thaliana* 3024
gene tagging, *Arabidopsis thaliana* 2345
molecular genetics
Arabidopsis thaliana 3024
plants 2432
nucleotide sequences, *Arabidopsis thaliana* 2345
Bluetongue virus
detection, polymerase chain reaction 3144
ELISA, diagnostic techniques, evaluation 1467
Boar taint, elimination, LHRH, immunization, pigs 536
Body composition
immunization, adipocytes, membranes, laboratory mammals, reviews 4329
lean, selection, ornithine decarboxylase, restriction fragment length polymorphism, mice 1943
Body fat, transforming growth factor, gene expression, transgenics, mice 3334
Body weight
cholecystokinin, immunization, sex differences, pigs 1604
DNA fingerprinting, fowls 2505, 3053
fetus, somatotropin, pigs 2687
gene transfer, somatotropin, mice 3877
heritability, Retroviridae, DNA, integration, mice 3305
microsatellites, mice 884
plasminogen activator, targeted mutagenesis, mice 3920
somatotropin
cattle 1606
gene expression, transgenics, mice 3780
sheep 3769
transgenics, mice 2803
transforming growth factor, gene expression, transgenics, mice 3334
Body weight *cont.*
triploidy
induction
cold shock, fishes 4859
cytochalasin B, mollusca 4311
fishes 1593
Boehmeria nivea, genetic transformation, *Agrobacterium tumefaciens* 571
Bone marrow, gene transfer, techniques 2291
Bone marrow cells
cell culture, gene transfer, retroviral vectors, dogs 2215
peptides, antibacterial agents, nucleotide sequences, pigs 5072
Retroviridae, vectors, gene therapy, mice 5479
Bone marrow disorders, proto-oncogenes, mutations, mice 1746
Bone morphogenetic protein
gene expression, embryos, mice 6231
nucleotide sequences, mice 2906, 6231
Bones
interleukins, gene expression, transgenics, mice 2229
sialoproteins
gene expression, mice 4696
nucleotide sequences, mice 4696
Books
Advances in electrophoresis 6747
Alzheimer's disease, animal models 5466
An introduction to plant tissue culture 4919
Ancient DNA 5327, 5332, 5345, 5348
antibodies 4370
Antibodies in cell biology 6741
arthritis, animal models 5466
atherosclerosis, animal models 5466
Automated DNA sequencing and analysis 5460
Biological fundamentals 1645
Biotechnologies in developing countries: present and future 6762
biotechnology 2736, 6759
legal rights 6757
Netherlands 2189
policy 1637
public opinion 1637
Biotechnology directory Eastern Europe 1096
Causes of photooxidative stress 5538, 5633, 5779, 5789, 5840, 6103, 6116
cell culture
animals 3829
techniques 2742
chemistry, bioconjugates 4374
chromatography 4372
Chromosome analysis protocols 6750
Chromosome microdissection and cloning 6753
chromosome morphology, plants 4914
cloning
chromosomes, mammals 6753
techniques 2563
mammals 6753
Computer analysis for sequence data: part II 6752
Computer analysis of sequence data: part I 6751
cytogenetics, plants 3291
cytology 6750
Developing agricultural biotechnology in the Netherlands 6764
Directory cassava biotechnology network 6746
DNA 2738
archaeological material, polymerase chain reaction, techniques 4371
typing, electrophoresis, two-dimensional, gene mapping 5465
DNA fingerprinting 2496-2497, 2505, 2525, 2534, 2743
dogs 2511
DNA hybridization 6756
techniques 2569
DNA probes 3656-3657, 3661-3663, 3670, 3832, 6756
techniques 2569
DNA-protein interactions 6758
DNA sequencing protocols 1641
embryo culture, techniques, mice 6765
Books *cont.*
Enzymes of molecular biology 6745
flow cytometry 2740
DNA 2568
techniques 3835
Gene and chromosome analysis B 6740
gene expression 6763
molecular biology 3831
regulation, translation 6755
reproduction, mammals 2739
stress, plants 1640
techniques 2563
mice 6765
Gene future: the promise and perils of the new biology 6760
gene mapping
computers 4377
plants 4914
gene therapy 4378
animal models 2220
genetic engineering 2745, 3135, 3292, 5464, 6744, 6749
animals 4375
biosafety 6760
plants 1646
materials 4373
public opinion 3830
techniques 2569, 2744, 6766
Genetic engineering, molecular biology and tissue culture for crop pest and disease management 3354, 3365-3366, 3374, 3376, 3379-3381, 3384, 3415-3416, 3644, 3697, 3718, 3731, 3749, 3836
genetic transformation
Agrobacterium, plants 1635
techniques, mice 6765
Genetics and Molecular Biology 5463
Genome analysis with microsatellite markers 6115
Genome management in eukayotes 6763
genomes 6763
gene mapping 4915
β-Glucosidases. Biochemistry and molecular biology 4916
Guide to techniques in mouse development 6765
hypertension, animal models 5466
immunological techniques 6741
electrophoresis 6747
immunology 4370
In vitro cultivation of plant cells 3387, 3394, 3710-3711, 3713, 3741-3743, 3834
in vitro culture
cells, animals 4369
education, plants 3834
plants 4919
techniques 2194
Introduction to molecular cloning techniques 1644
laboratories, safety 3822
mammary gland neoplasms, animal models 5466
Marine biotechnology I 6742
Medicinal and aromatic plants V 3289
Methods in plant molecular biology and biotechnology 1110, 1113, 1138, 1298, 1322, 1326, 1333, 1359, 1366, 1443, 1451, 1456, 1458, 1460, 1463-1465, 1639
Micropropagation of orchids 2192
Molecular biology and biotechnology 6759
Molecular biology of flowering 1344, 1351, 1354, 1356, 1367, 1377, 1379, 1598, 1643
molecular genetics 5463, 6750, 6754, 6756, 6758-6759
cells
animals, techniques 3827
eukaryotes, techniques 3660, 3665
mammals, techniques 3306, 3418, 3655, 3658, 3667
development, plants 4917
electrophoresis 6747
enzymes 6745
eukaryotes, microorganisms 2737
flowering 1643
β-glucosidase 4916
pathogens, plants 1635

Books *cont.*
molecular genetics *cont.*
techniques 1639, 2194, 6740, 6745, 6766
plants 6748
Monitoring genetically manipulated microorganisms in the environment 2193
Monocultures of the mind 4376
mutations 6763
nucleotide sequences 6751-6752
oncogenes, animal models 5466
Peas: genetics, molecular biology and biotechnology 3297, 3382, 3422, 3545, 3553, 3630-3631, 3707, 3828
pharmaceutical proteins, transgenics, livestock 5466
Photosynthesis: photoreactions to plant productivity 1926
Physical gene mapping in the pig 6483
Plant biochemistry and molecular biology 2754, 3015, 3032, 3041, 3833
Plant breeding — principles and prospects 1101, 1115, 1123, 1198, 1291, 1427, 1544, 1584, 1642
Plant growth and development 4917
Plant mitochondria 5705, 5769, 5773-5774, 5802, 5815-5817, 5825-5826, 5842, 5845, 5851, 5874, 5903, 5912, 5916, 5953, 6073, 6075, 6077-6078, 6114, 6700
Plant molecular biology labfax 6140, 6142, 6262, 6283, 6309, 6327, 6367, 6566, 6748
Plant propagation by tissue culture 2195
Plant responses to the environment 1107, 1184, 1343, 1609, 1615, 1617, 1620, 1640
polymerase chain reaction 2022, 2026-2027, 2032, 2196, 2557, 5462
Potato genetics 6126, 6178, 6219, 6435, 6514, 6657, 6743
prions, animal models 5466
Protocols for gene analysis 6754
Protocols for nucleic acid analysis by nonradioactive probes 6756
receptors, gene transfer, cell lines, techniques 6128
Recombinant DNA 4924, 4929-4930, 4957-4958, 5342, 5347, 5467
Recombinant DNA H 6128
Recombinant DNA I 6766
ribosomal RNA, gene mapping, pigs 6483
RNA, processing 5461
RNA probes 6756
Strategies for engineering organisms 6744
targeted mutagenesis, embryonic stem cells, mice 2203, 2247, 2291, 2295, 2604, 2606, 2741
Techniques for engineering genes 6749
The Maize Handbook 2194
The uses of life: a history of biotechnology 1637
tissue culture 2195
Orchidaceae 2192
Traditional crop practices 6761
transcription factors, targeted mutagenesis, muscles 5466
Transgenic animals as model systems for human diseases 5466
Transgenic organisms: risk assessment of deliberate release 1386, 1619, 1622-1624, 1626-1628, 1632, 1646, 6157
transgenics 3290
Translational regulation of gene expression 2 6755
Two-dimensional DNA typing 5465
Boophilus microplus, ELISA, detection, cattle 4428
Bordetella avium, diagnosis, polymerase chain reaction 1503
Bordetella bronchiseptica
ELISA
guineapigs 1472
rabbits 1472
flagella
nucleotide sequences 1139
transcription 1139
Borna disease virus, ELISA, detection, ostriches 1491
(–)-Borneol, *Eucalyptus perriniana* 4474
Boronia megastigma, tissue culture 6020
Borrelia
proteins, plasmids 2255
ribosomal DNA, restriction fragment length polymorphism 1700, 3885
Borrelia afzelii
membrane proteins
gene mapping, plasmids 3883
promoters, nucleotide sequences 3883
monoclonal antibodies, detection 2036
Borrelia burgdorferi
detection
monoclonal antibodies 3149
polymerase chain reaction 3156
ELISA
detection 4764
dogs 3141
horses 3141
urine, mice 3147
genes, signal peptides, nucleotide sequences 2826
membrane proteins
gene mapping, plasmids 3883
promoters, nucleotide sequences 3883
nucleotide sequences 2249
restriction fragment length polymorphism 2823
Borrelia garinii
membrane proteins
gene mapping, plasmids 3883
promoters, nucleotide sequences 3883
Borrelia japonica
flagellin, restriction fragment length polymorphism 3882
ribosomal DNA, restriction fragment length polymorphism 3882
Botrypus strictus, nucleotide sequences, ribulose-bisphosphate carboxylase 5105
Botrytis cinerea
gene expression, *Nicotiana tabacum* 3364
genetic transformation, *Nicotiana tabacum* 3364
Bovine diarrhoea virus
genes, amplification, polymerase chain reaction 83
in vitro fertilization, embryos, detection 1141
Bovine herpesvirus
DNA hybridization, diagnosis, sampling, techniques, efficiency 1506
DNA probes, diagnosis 421
in vitro fertilization, embryos, detection 1141
Bovine leukosis
ELISA
detection
blood 1475
milk 1475
urine 1475
Bovine oncovirus
diagnosis, polymerase chain reaction 416
ELISA, detection 2584
viral proteins, detection, ELISA 1488
Bovine papillomavirus
detection, skin diseases, horses 76
nucleotide sequences, skin diseases, horses 76
recombinant vaccines, cattle 141
Bovine respiratory syncytial virus, glycoproteins, nucleotide sequences 70
Brachypodium
restriction fragment length polymorphism
ribosomal DNA 5921
taxonomy 5921
Brachypodium distachyon
nucleotide sequences
evolution 4714
ribosomal DNA 4714
Bradykinin
receptors
gene expression, rats 5068
nucleotide sequences, rats 5068
targeted mutagenesis, gene expression, rats 5002
Bradyrhizobium
nucleotide sequences
evolution 173
ribosomal RNA 173
Bradyrhizobium japonicum
gene expression, nitrogen fixation 167
nucleotide sequences, *Glycine max* 205
Brain
aggrecan
gene expression, rats 5085
nucleotide sequences, cattle 5085
argininosuccinate lyase, promoters, nucleotide sequences, rats 3955
calmodulin
binding proteins
gene expression, rats 5595
nucleotide sequences, rats 5595
development
DNA methylation, detection, techniques, mice 5152
genes, zinc finger, targeted mutagenesis, mice 2293
DNA topoisomerase
gene expression, rats 5762
nucleotide sequences, rats 5762
enkephalins, gene expression, DNA binding proteins, transgenics, mice 4405
G proteins, nucleotide sequences, cattle 5608
gene expression
ceramide UDP galactosyltransferase, rats 3451
homeo box
embryos, segmentation, mice, reviews 2423
enhancers, transgenics, mice 2810
neurofilaments, promoters, transgenics, mice 3336
serotonin, receptors, rats 2911
genes, homeo box, mutations, embryos, rats 2998
glycoproteins
gene expression, rats 262
gene mapping, restriction fragment length polymorphism, mice 262
nucleotide sequences
cattle 262
mice 262
rats 262
growth factors
vascular epithelial
gene expression, rats 4583
nucleotide sequences, rats 4583
neural cell adhesion molecule, targeted mutagenesis, mice 2859
nucleotide sequences, rats 2914
opioid peptides
receptors
gene expression
guineapigs 5084
mice 1846
nucleotide sequences, mice 1846
pathology, human immunodeficiency virus, gene expression, transgenics, mice 1695
phospholipase C, nucleotide sequences, rats 5592
potassium
channels
gene expression
mice 3612
rats 2905
nucleotide sequences, rats 2905
prolactin, antisense DNA, gene transfer, animals, reviews 4577
protein kinase
gene expression, binding proteins, rats 769
promoters, binding proteins, rats 769
protein-tyrosine kinase, gene expression, mice 5030
protein-tyrosine-phosphatase
gene expression
embryos
mice 6239
rats 6239
proto-oncogenes, gene expression, cells, death, transgenics, mice 45
serotonin
receptors
gene expression, rats 2407, 3977
nucleotide sequences, rats 3977
sodium
channels
nucleotide sequences, rats 5577

Brain *cont.*
sodium *cont.*
channels *cont.*
RNA, alternative splicing, rats 5577
transcription factors, gene expression, transgenics, mice 2816
transferrin, promoters, gene expression, transgenics, mice 4050
Brain-derived neurotrophic factor, gene transfer, fibroblasts, gene therapy, nervous system diseases, rats 4927
Brassica
biotechnology, reviews 5468
DNA hybridization
genomes 1992
ribosomal DNA 1992
gene expression
pathogenesis-related proteins 1165
self incompatibility 2163
Xanthomonas campestris 1165
in vitro culture, ethylene 1566
mitochondrial genetics, protoplast fusion 3870
molecular genetics, self incompatibility 1599
polymerase chain reaction
self incompatibility 6545
variety classification 6545
protoplast fusion 25
restriction fragment length polymorphism 396
genomes 1992
ribosomal DNA 1992
self incompatibility 6545
variety classification 6545
tissue culture, salinity 2177
Brassica alboglabra
gene expression, self incompatibility 2678
molecular genetics, self incompatibility 2678
nucleotide sequences, self incompatibility 2681
Brassica campestris
DNA fingerprinting 3093
genetic engineering, biosafety 2183
mitochondrial genetics
introns 4613
NADH dehydrogenase 736, 4613
nucleotide sequences
glycoproteins 5709
NADH dehydrogenase 736
ribosomal DNA 1830
self incompatibility 5709
thioglucosidase 2955
protoplast fusion 3093
protoplasts, regeneration 3224
RNA editing
introns 4613
NADH dehydrogenase 736, 4613
tissue culture 6616
Brassica chinensis, anther culture, somatic embryogenesis 6052
Brassica juncea
anther culture, regeneration 3169
chloroplast genetics
chlorophyll 5217
chlorosis 5217
recombination 5217
gene expression, tissue culture 4647
mitochondrial genetics, cytoplasmic male sterility 5217
nucleotide sequences, ACC synthase 4024
protoplast fusion, interspecific hybridization 5217
random amplified polymorphic DNA 5285
Brassica napus
anther culture 5926
colchicine 6685
ploidy 6685
somatic embryogenesis 4876
temperature 4316
cell culture 1569
chlorophyll *a/b* binding protein 297
cloning 1276
cryopreservation 6032

Brassica napus *cont.*
DNA hybridization
acyl-acyl-carrier-protein desaturase 2438
cruciferin 3570
oleosins 2438
seeds 2438
gene expression 1276, 3571, 4074
acyl-acyl-carrier-protein desaturase 2438, 6311
acyl-carrier-protein thioesterase 1816
anthers 3776
antisense DNA 3776
chitinase 91
chlorophyll *a/b* binding protein 297
cold 3494
cruciferin 3570, 6310, 6383
fertility 3776
glycine-rich proteins 5198
isocitrate lyase 4655
malate synthase 4655
male sterility 4335
napin 1921, 2445, 6383
oleosins 2438, 3558
pollen 3493, 4655
polygalacturonase 3493
proline-rich proteins 3472
Rhizoctonia solani 91
ribonuclease inhibitors 4335
ribonucleases 4335
seeds 2438
self incompatibility 533, 2682
senescence 6251
shedding 3472-3473
stearoyl-CoA desaturase 6272
techniques 2781
thioglucosidase 2456
gene flow, biosafety 4363
genetic engineering
biosafety 3801, 4363, 4365, 4911
fatty acids 3346
glufosinate 3801
herbicide resistance 4365, 4911
isocitrate lyase 4655
malate synthase 4655
pollen 4655
release 4365
self incompatibility 533
genetic transformation 3571
Agrobacterium tumefaciens 2213
anthers 3776
antisense DNA 3776
biosafety 1090
chitinase 91
coat proteins, cauliflower mosaic caulimovirus 1714
fertility 3776
glufosinate 1090
herbicide resistance 1090
legislation 4366
male sterility 4335
oleosins 5835
phosphinothricin acetyltransferase 4887
pollination 4887
protoplasts 2210
Rhizoctonia solani 91
ribonuclease inhibitors 4335
ribonucleases 4335
techniques 2210, 2781, 5482
in vitro selection
acetolactate synthase 2271
chlorsulfuron 2271
induced mutations
colchicine 6685
ploidy 6685
mitochondrial genetics
adenosinetriphosphatase 1076
cytoplasmic male sterility 1076, 2680, 3251, 6072
molecular genetics
self incompatibility 4337
senescence 6251
nucleotide sequences 1276
acyl-acyl-carrier-protein desaturase 6311
acyl-carrier-protein thioesterase 1816
adenosinetriphosphatase 1341
anthers 1806
chaperonins 6259-6260
chloroplasts 5658

Brassica napus *cont.*
nucleotide sequences *cont.*
cold 3494
cruciferin 6310
fructose-bisphosphatase 4559
β-glucanase 1806
glutamate-ammonia ligase 2959, 6307
glycine-rich proteins 5198
oleosins 3558
pollen 3493
polygalacturonase 3493
proline-rich proteins 3472
self incompatibility 2682
senescence 6251
shedding 3472-3473
stearoyl-CoA desaturase 1293, 6272
thioglucosidase 1286
promoters
cruciferin 6383
isocitrate lyase 4655
malate synthase 4655
napin 1921, 6383
oleosins 3558
pollen 4655
self incompatibility 533
protoplast fusion 3218, 4961
protoplasts 1569
chlorophyll *a/b* binding protein 297
random amplified polymorphic DNA 5280, 5926
variety classification 3091
restriction fragment length polymorphism 4183, 4961, 5280, 5926
cytoplasmic male sterility 2680
glucosinolates 3907
insects 3907
Leptosphaeria maculans 3896
Plasmodiophora brassicae 3896
Pyrenopeziza brassicae 3896
RNA editing, adenosinetriphosphatase 1341
tissue culture
copper 2651
napin 2445
regeneration 2651
rape
cell culture 2879
genetic engineering
erucic acid 3350
fatty acids 3350
protoplast fusion
chromosome number 2796
cytoplasmic male sterility 2796
protoplasts 2879
somaclonal variation 2879
Brassica oleracea
anther culture 516
artificial seeds 2672
embryogenesis 2668
somatic embryogenesis 2672
DNA fingerprinting 3093
genetic transformation
Agrobacterium tumefaciens 2213, 4942
Bacillus thuringiensis, Plutella xylostella 88
nucleotide sequences
development 201
flowers 201
protoplast fusion 3093
protoplasts
regeneration 2634, 4301, 5388
regenerative ability 6624
random amplified polymorphic DNA 5306
restriction fragment length polymorphism 3088, 5299, 5306
Plasmodiophora brassicae 1711
tissue culture
acetone 505
regeneration 505, 996
cauliflowers, anther culture, haploidy 2145
Brassica oxyrrhina
chloroplast genetics
chlorophyll 5217
chlorosis 5217
recombination 5217
mitochondrial genetics, cytoplasmic male sterility 5217

Brassica oxyrrhina *cont.*
protoplast fusion, interspecific hybridization 5217
Brassinolide, cell culture, *Catharanthus roseus* 3213
Brassinosteroids
gene expression
Glycine max 4026, 5242
Lycopersicon esculentum 5242
nucleotide sequences, *Glycine max* 4026
Brazil
biotechnology
data banks 1655
information services 1655
Breed differences
carcass composition
somatoliberin, immunization, cattle 2683
somatotropin, pigs 2691
DNA fingerprinting
cattle 6467
fowls 6588
embryos, *in vitro* development, cattle 1513
fattening performance
somatoliberin, immunization, cattle 2683
somatotropin, pigs 2691
gene frequency, inhibin, DNA, restriction fragment length polymorphism, sheep 4681
lactalbumin, genetic polymorphism, cattle 643
lambing rate, melatonin, sheep 3770
microsatellites, cattle 6485
oocytes, *in vitro* fertilization, cattle 1513
recipients, pregnancy rate, embryo transfer, rabbits 1537
restriction fragment length polymorphism
cattle 6475
somatotropin, cattle 1954
transcription factors, restriction fragment length polymorphism, pigs 1966
Breeders' rights 1995, 2184
biotechnology, plants 3813
genetic markers, plants 3815
Pelargonium 3800
plants 3808
Breeding
biosafety, crops 6761
genetic variation, Australia, Crustacea 6124
targeted mutagenesis, embryonic stem cells, chimaeras, techniques, mice 2606
Breeding programmes
embryo transfer
genetic gain
cattle 2598
Developing Countries 2597
genes, introgression, fowls 2805
genetic improvement, livestock, economics 3270
halothane susceptibility, DNA probes, pigs 4773
MOET, embryos, yield, breeding value, estimation, cattle 4804
nucleus scheme, milk yield, embryo transfer, MOET, cattle 3166
transgenics
genetic improvement, livestock, reviews 2802
mice 2803
Breeding season
cloning, gynogenesis, fishes 1075
females, melatonin, sheep 4880
melatonin, goats 532
Breeding value
estimation, embryos, yield, MOET, cattle 4804
prediction, quantitative traits, marker genes, livestock 6450
Breeds
genetic distance, polymerase chain reaction, cattle 6461
indigenous, recipients, embryo transfer, Uganda, cattle 4779
Bremia lactucae, gene mapping, *Lactuca sativa* 1178
Brome mosaic bromovirus
gene expression
repetitive DNA 134
Saccharomyces cerevisiae 107
molecular genetics
host parasite relationships, *Hordeum vulgare* 123
replication, *Hordeum vulgare* 123
Bromeliaceae
nucleotide sequences
ribulose-bisphosphate carboxylase 3993
taxonomy 3993
Bromoxynil
genetic transformation
Gossypium 139
Nicotiana tabacum 3917
Bromus inermis
gene expression
abscisic acid 6715
cold resistance 6715
dehydrin 6715
nucleotide sequences
evolution 4714
ribosomal DNA 4714
Brown fat
deficiency, obesity, transgenics, mice 3333
toxins, gene transfer, mice 3333
uncoupling protein, promoters, gene expression, mice 3333
Brucella abortus, lipopolysaccharides, monoclonal antibodies 1476
Brucella melitensis, heat shock proteins, gene mapping 2250
Bryonia cretica
gene expression
calmodulin 1801
DNA methylation 290, 2446
injuries 290
mechanical damage 1801
peroxidases 2446
nucleotide sequences
calmodulin 1801
mechanical damage 1801
Bryonolic acid
cell culture
Citrullus lanatus 4447
Luffa aegyptiaca 1740
Buchloe dactyloides, random amplified polymorphic DNA 1982
Buffaloes
casein, nucleotide sequences 6226
embryo transfer
pregnancy rate 3162
reviews 526
embryos
sex diagnosis, polymerase chain reaction 2596
splitting, embryo transfer, pregnancy rate 1533
gene mapping
DNA hybridization, immunoglobulins 1946
enzymes, DNA hybridization 1409
in vitro fertilization, oocytes, *in vitro* maturation 3162
major histocompatibility complex, restriction fragment length polymorphism 1417
oestrus, synchronization, prostaglandins, seasons 523
oocytes, *in vitro* maturation 2667
ovulation
induction
embryos, recovery 1524
GnRH 1524
HCG 1524
pregnancy rate, oestrus, synchronization 523
superovulation
FSH, oestrous cycle 2152
reviews 526
Buffers, polymerase chain reaction, automation, techniques 3101
Bullous pemphigoid, antigens, gene mapping, restriction fragment length polymorphism, mice 359
Butyric acid, analogues, recombinant DNA, gene expression, enhancement, cell lines, mammals 3507
c-AMP
androgens, receptors, promoters, gene expression, mice 4048
collagen, promoters, gene expression, skull, transgenics, mice 37
cytochrome P450 aromatase, promoters, transcription, cell lines 778
glial fibrillary acidic protein, gene expression, rats 5150
inhibin
transcription
cell lines 811-812
Sertoli cells, rats 811-812
oocytes
in vitro maturation
cattle 5407
pigs 4307
plasminogen activator, regulation, transcription factors, pigs 804
primordial germ cells, embryos, cell culture, mice 1517
progesterone
receptors
promoters
gene expression, rats 3960
transcription, rats 4054
proto-oncogenes, transcription, Sertoli cells, cell cultures, mice 819
regulation, sodium, hydrogen, exchangers, targeted mutagenesis, cell lines 6205
renin, promoters, reporter genes, transcription, cell lines, mice 4595
response element
binding proteins, targeted mutagenesis, transcription factors, mice 6210
DNA binding proteins
cell lines 1308
rats 1308
fibronectins, promoters, DNA binding proteins, rats 3533
reviews 785
thyroprotein, receptors, promoters, DNA binding proteins, rats 2416
tyrosine aminotransferase, transcription, rats 5178
C-reactive protein
nucleotide sequences, liver, mice 5741
promoters, gene expression, liver, mice 5741
Cadaverine, cell culture, *Nicotiana tabacum* 1192
Cadherins
gene expression, mice 2992
nucleotide sequences, mice 2992
Cadmium
gene expression, *Zea mays* 5218
genetic transformation, *Nicotiana tabacum* 3347, 4103
mitochondrial genetics, *Zea mays* 5218
toxicity, metallothionein, gene expression, transgenics, mice 158
Caenorhabditis elegans
cloning, metallothionein 104
gene expression
RNA, alternative splicing 98
sex determination 3371
spermatogenesis 132
genetic transformation, RNA, alternative splicing 98
molecular genetics
repetitive DNA 96
sex determination 3371
nucleotide sequences, transposable elements 1174
Caffeic acid *O*-methyltransferase
gene expression, *Nicotiana tabacum* 4635
genetic engineering, *Medicago sativa* 4635
genetic transformation, *Nicotiana tabacum* 4635
nucleotide sequences, *Eucalyptus gunnii* 6302
Caffeine
oocytes
in vitro fertilization, pigs 5970
in vitro maturation, pigs 5970
spermatozoa
acrosome reaction, pigs 5970

Caffeine *cont.*
spermatozoa *cont.*
capacitation, pigs 5970
Cajanus cajan
tissue culture 1542
regeneration 3708, 5386
somatic embryogenesis 5386
Caladium hortulanum, tissue culture, leaves 2659
Calanthe, genetic transformation, techniques 2212
Calbindin, gene expression, teeth, vitamin D, rats 761
Calcidiol-24 monooxygenase
nucleotide sequences, rats 5173
transcription, vitamin D, binding elements, rats 5173
Calcitonin
gene expression, fishes 5060
nucleotide sequences
fishes 5060
sheep 651
receptors
gene expression, rats 632
nucleotide sequences, rats 632
Calcium
adenosinetriphosphatase, promoters, transcription factors, rabbits 829
binding proteins, nucleotide sequences, rats 3454
channels
cyclic nucleotides
gene expression, cattle 5023
nucleotide sequences, cattle 5023
gene expression, mice 6228
gene mapping, DNA hybridization, mice 6228
nucleotide sequences
mice 6228
rats 3455
in vitro fertilization, rats 1578
pumps, plasma membranes, RNA, alternative splicing, hamsters 2413
receptors, nucleotide sequences, parathyroid, cattle 3426
release
channels
gene mapping
fluorescence microscopy, pigs 6463
pigs 1944
spermatozoa, capacitation, mice 5412
tissue culture, *Daucus carota* 6018
Calcium binding proteins
gene expression, *Hordeum vulgare* 5632
gene mapping
Arabidopsis thaliana 5652
Hordeum vulgare 5632
nucleotide sequences
Arabidopsis thaliana 721, 5652
Hordeum vulgare 5632
Callosobruchus maculatus, nucleotide sequences, *Vigna unguiculata* 1254
Calmodulin
binding proteins
gene expression
brain, rats 5595
Zea mays 2960
nucleotide sequences
brain, rats 5595
Zea mays 2960
gene expression
Bryonia cretica 1801
Vigna radiata 5097
nucleotide sequences
Arabidopsis thaliana 3991
Bryonia cretica 1801
Vigna radiata 5097
Zea mays 5644
promoters, *Arabidopsis thaliana* 3991
tissue culture, *Daucus carota* 6018
Calnexin, nucleotide sequences, *Arabidopsis thaliana* 2945
Calpain
gene expression, rats 5610
nucleotide sequences, rats 5610
RNA, alternative splicing, stomach, rats 5610
Calpastatin
nucleotide sequences, rats 192
RNA, alternative splicing, rats 192
Calponin
gene expression
aorta, rats 2915
rats 5019
nucleotide sequences
mice 3456
pigs 3456
rats 2915, 5019
Calreticulin
gene expression, *Hordeum vulgare* 5632
gene mapping, *Hordeum vulgare* 5632
nucleotide sequences, *Hordeum vulgare* 5632
Calretinin, nucleotide sequences, mice 1305
Calving, induction, prostaglandins, cattle 3244
Calving rate
embryo transfer
embryos
biopsy, cattle 5359
freezing, cattle 4242, 5376
splitting, cattle 4242, 5359
Calycadenia, nucleotide sequences, ribosomal DNA 1240
Camellia japonica
tissue culture 1021
somatic embryogenesis 500
Camellia sinensis
tissue culture 1559, 3728
lignin 3753, 6037
Camellia williamsii, tissue culture 2657
Camelpox virus, nucleotide sequences 75
Camels
embryo transfer, pregnancy rate 2603
in vitro fertilization
embryos, *in vitro* development 3229
oocytes, *in vitro* maturation 3229
superovulation, gonadotropins, embryos, recovery 2603
Camphor-6-exo-hydroxylase, cell culture, *Salvia officinalis* 4816
Camptotheca acuminata
gene expression, hydroxymethylglutaryl-CoA reductase 1878
promoters, hydroxymethylglutaryl-CoA reductase 1878
Canada
conferences, VII World Conference on Animal Production 2166-2167
genetic engineering
biosafety 1629
regulations 1620, 1629
release 1620
Microbial biotechnology, conferences 3287
Candida, detection, polymerase chain reaction 3143, 3148
Candida albicans
genes, cell elongation, nucleotide sequences 2824
glucosamine-6-phosphate deaminase, nucleotide sequences 2252
oxidosqualene cyclase, nucleotide sequences 3886
phosphopyruvate hydratase, nucleotide sequences 2829
proteinases, nucleotide sequences, virulence 3888
Candida hydrocarbofumarica, grape must, utilization, fumaric acid, production 4347
Canine parvovirus
ELISA, diagnosis 1501
plasmids, virulence 66
Cannabinol
biotransformation, *Pinellia ternata* 4486
cell culture, *Pinellia ternata* 4486
tissue culture, *Pinellia ternata* 4486
Capillovirus group, molecular genetics, reviews 3357
Caprine arthritis encephalitis virus, antigens, diagnosis, ELISA 413
Capsanthin-capsorubin synthase
gene expression, *Capsicum annuum* 5627
nucleotide sequences, *Capsicum annuum* 5627
Capsicum
biotransformation 4896
cell culture 4896
Capsicum *cont.*
immunological techniques, histopathology, *Xanthomonas campestris* pv. *vesicatoria* 425
Capsicum annuum
anther culture 3203
cell culture
polyethylene glycol 6650
water balance 6650
gene expression, capsanthin-capsorubin synthase 5627
in vitro selection
polyethylene glycol 6650
water balance 6650
nucleotide sequences, capsanthin-capsorubin synthase 5627
protoplasts
cucumber mosaic cucumovirus 4988
pepper mottle potyvirus 4988
tobacco etch potyvirus 4988
random amplified polymorphic DNA, height 3637
restriction fragment length polymorphism 4180
RNA hybridization
ribosomal RNA 5229
techniques 5229
tissue culture, regeneration 2088, 3180
Capsicum baccatum, restriction fragment length polymorphism 4180
Capsicum chinense
protoplasts
cucumber mosaic cucumovirus 4988
pepper mottle potyvirus 4988
tobacco etch potyvirus 4988
random amplified polymorphic DNA, height 3637
Carbofuran, bioremediation, *Pseudomonas, Arthrobacter* 2715
Carbohydrates
anther culture, *Triticum aestivum* 513, 6686-6687
cell culture, *Cucumis sativus* 5798
gene expression
Cucumis sativus 5798
Solanum tuberosum 3351
genetic engineering, *Solanum tuberosum* 3351
genetic transformation, *Solanum tuberosum* 1673
haploidy, *Triticum aestivum* 6687
tissue culture, *Actinidia deliciosa* 4827
utilization, fuel cells, microbial, *Proteus vulgaris* 6083
Carbon dioxide
fixation, atmosphere, algae 6088
oocytes, *in vitro* maturation, cattle 2130
tissue culture, *Vitis vinifera* 2089
utilization
chemicals, production, reviews 6090
ethanol production, reviews 6090
fuels, production, reviews 6090
Carbonate dehydratase
gene expression
Arabidopsis thaliana 6265
Nicotiana tabacum 6404
Pisum sativum 6405
genetic engineering, *Nicotiana tabacum* 6404
molecular genetics, *Pisum sativum* 863
nucleotide sequences, *Arabidopsis thaliana* 6265, 6277
Carbonic anhydrase related protein, gene mapping, mice 4678
Carboxylesterase, nucleotide sequences, mice 4499
Carcass composition
β-adrenergic agonists
pigs 1605
reviews 4339
choriomammotropin, sheep 2686
fat
selection, effects, somatotropin, restriction fragment length polymorphism, gene frequency, fowls 1399
somatotropin, pigs 2165
LHRH, immunization, pigs 3777
lipids, gene transfer, somatotropin, pigs 5510
muscles, somatotropin, pigs 2165

Carcass composition *cont.*
somatoliberin, immunization, breed differences, cattle 2683
somatotropin
breed differences, pigs 2691
cattle 1606, 2168, 2684, 2688
environmental temperature, pigs 1601
pigs 1078, 2685
reviews 4339
rabbits 3256
sheep 2686, 2689
Carcass quality
probiotics, cattle 4340
sire evaluation, somatotropin, restriction fragment length polymorphism, genotypes, cattle 6494
Carcasses
adipose tissue, somatotropin, pigs 3260
fat, somatotropin, pigs 6080
fatty acids, somatotropin, pigs 3260
somatotropin
hypothalamic releasing hormones, cattle 1602
sheep 3769
thyrotropin releasing hormone, cattle 1602
Carcia papaya, tissue culture, techniques 6030
Carcinogens, exposure, methylated-DNA-protein-cysteine *S*-methyltransferase, gene expression, carcinoma, liver, transgenics, mice 40
Carcinoma, liver, methylated-DNA-protein-cysteine *S*-methyltransferase, gene expression, carcinogens, exposure, transgenics, mice 40
Cardenolides
biotransformation, *Digitalis grandiflora* 1737
cell culture, *Digitalis grandiflora* 1737, 3746
tissue culture
Digitalis lanata 1190, 4483, 5541
Digitalis obscura 1733
Digitalis purpurea 1732
Carica papaya
gene expression, proteinases 1827
in vitro culture 1040
nucleotide sequences, proteinases 1827
tissue culture
artificial seeds 1037
organogenesis 2086
regeneration 3186, 5394
somatic embryogenesis 4302
Carnitine *O*-palmitoyltransferase
gene expression, rats 774
nucleotide sequences, rats 774
Carobs, fruits, utilization, ethanol production, *Saccharomyces cerevisiae* 4350
Carotenes, somaclonal variation, *Daucus carota* 3930
Carotenoids
gene expression, *Zea mays* 5778
marker genes, vectors, cloning 5335
Carrier state, detection, ELISA, *Salmonella dublin,* cattle 1484
Carthamus tinctorius
cell culture 997
macronutrients 5542
pigments 5542
tissue culture, regeneration 3201
Cartilage
chondroitin sulfate, nucleotide sequences, fowls 2329
nucleoproteins, nucleotide sequences, rats 5088
Carya, tissue culture 491
Carya illinoinensis
embryo culture
regeneration 484
somatic embryogenesis 484
genetic transformation 573
Casein
biochemical polymorphism, restriction fragment length polymorphism, cattle 912, 3606
gene mapping
DNA hybridization
cattle 893
goats 893
sheep 893
Casein *cont.*
genetic polymorphism, cattle 1206
nucleotide sequences
buffaloes 6226
cattle 1206
goats 645, 2319
mammary glands, rabbits 5031
oocytes
in vitro fertilization, pigs 5970
in vitro maturation, pigs 5970
promoters
DNA footprinting, rats 3007
gene expression, hormonal control, mice 790
spermatozoa
acrosome reaction, pigs 5970
capacitation, pigs 5970
Casein kinase
gene expression, rats 183
nucleotide sequences
rabbits 1212
rats 183
Cassava peel, fermentation, *Rhizopus,* feeds, production 4897
Castanea sativa
chloroplast genetics, ribulose-bisphosphate carboxylase 1800
nucleotide sequences, ribulose-bisphosphate carboxylase 1800
Cat diseases
diagnosis, reviews 9
therapy, reviews 9
Catabrosa aquatica
chloroplast genetics, taxonomy 5883
restriction fragment length polymorphism, taxonomy 5883
Catalase
antibodies, *Hordeum vulgare* 4775
cloning, *Oryza sativa* 2950
DNA binding proteins, nucleotide sequences, rats 2901
DNA hybridization, *Ricinus communis* 4167
embryos, *in vitro* development, rabbits 5364
gene expression
Arabidopsis thaliana 4656
Hordeum vulgare 4775
Nicotiana tabacum 3016
Pisum sativum 4098
Ricinus communis 6315
Zea mays 3043, 3204, 3793, 5840, 6709
gene mapping, *Oryza sativa* 2950
molecular genetics
Nicotiana tabacum 3024
plants, reviews 6711
Zea mays 5840
nucleotide sequences
Nicotiana tabacum 3016
Ricinus communis 6315
Vigna radiata 217
Zea mays 199
tissue culture, *Zea mays* 3204
Catasetum fimbriatum, tissue culture, organogenesis 2080
Catechol, production, phenols, biodegradation, *Bacillus stearothermophilus,* kinetics 6087
Catechol *O*-methyltransferase
gene expression
Nicotiana tabacum 1277
rats 3459
nucleotide sequences
Nicotiana tabacum 1277
rats 3459
Catechol oxidase, gene transfer, spermatozoa, acrosome, development, mice 4970
Catenins
gene expression, nervous system, mice 6242
gene mapping, mice 6242
nucleotide sequences, mice 6242
Catharanthus roseus
anther culture
regeneration 5416
somatic embryogenesis 5416
bioreactors, techniques 3263
biotransformation, warfarin 4454
cell culture 3712, 4825
ajmalicine 4471
Catharanthus roseus *cont.*
cell culture *cont.*
alkaloids 4449, 4471, 4476
aromatic-L-amino-acid decarboxylase 1741
brassinolide 3213
cytidine triphosphate:phosphatidate cytidyltransferase 2093
heat shock proteins 6016
inosine 5′-phosphate dehydrogenase 4833
lithium chloride 1193
phosphogluconate 2-dehydrogenase (decarboxylating) 4821
phospholipase D 5980
steroids 3213
strictosidine 4471
strictosidine β-glucosidase 1741
strictosidine synthase 1741
tryptamine 4471
warfarin 4454
zeatin 4449
gene expression
aromatic-L-amino-acid decarboxylase 2357
cell division 5656
cytochrome P-450 5116
heat shock proteins 1282, 6016
genetic engineering
aromatic-L-amino-acid decarboxylase 2357, 4639
cytochrome P-450 5116
genetic transformation, *Agrobacterium rhizogenes* 3263
nucleotide sequences 5650
adenosylhomocysteinase 5686
aromatic-L-amino-acid decarboxylase 2357
cell division 5656
cytochrome P-450 5116
heat shock proteins 1282
promoters, aromatic-L-amino-acid decarboxylase 2357
protoplasts 6654
tissue culture
anthocyanins 146
glutathione 146
nicotinamide 146
techniques 3263
Cathepsin D inhibitor
gene expression, *Lycopersicon esculentum* 326
nucleotide sequences, *Lycopersicon esculentum* 4571
Cats
Coxiella burnetii, detection, polymerase chain reaction 3154
embryo transfer, pregnancy rate, embryos, freezing 6604
embryos
freezing, *in vitro* development 6604
in vitro development 6604
in vitro fertilization 6604
in vitro fertilization
oocytes
culture media 2055
embryos, *in vitro* development 4862
in vitro development
culture media 2055
proteins 2055
in vitro maturation 4862
proteins 2055
in vitro maturation
oocytes
culture media 2055
proteins 2055
nucleotide sequences, feline immunodeficiency virus 1145
oocytes
in vitro fertilization 453
oviducts, epithelium 453
in vitro maturation 453
restriction fragment length polymorphism, proto-oncogenes 5860
retinal atrophy, nucleotide sequences 1211
sodium, channels, nucleotide sequences, *Ctenocephalides felis* 2254
spermatozoa, fertilizing ability, semen, freezing 4862

Cattle
- aconitate hydratase
  - gene mapping, mitochondria, cells, fusion 6492
  - restriction fragment length polymorphism 6492
- adenosinetriphosphatase, nucleotide sequences 1221
- aggrecan, brain, nucleotide sequences 5085
- amine oxidase (copper-containing), nucleotide sequences 5065
- apolipoproteins, nucleotide sequences 661
- arginine vasopressin, restriction fragment length polymorphism 370
- argininosuccinate synthase, mutations, detection, embryos 1482
- artificial insemination
  - genetic improvement, reviews 3231
  - oestrus, synchronization, pregnancy rate 6695
- biochemical polymorphism, casein, restriction fragment length polymorphism 3606
- blastocyst, freezing, survival, cryoprotectants 1532
- blastomere
  - electrofusion, oocytes, enucleation 2609
  - nuclei, transfer, *in vitro* development 5974
  - oocytes, fusion 4860
- blood composition, probiotics 4340
- body weight, somatotropin 1606
- bovine papillomavirus, recombinant vaccines 141
- calcium
  - channels
    - cyclic nucleotides
      - gene expression 5023
      - nucleotide sequences 5023
  - receptors, nucleotide sequences, parathyroid 3426
- calving, induction, prostaglandins 3244
- carcass composition
  - somatoliberin, immunization, breed differences 2683
  - somatotropin 1606, 2168, 2684, 2688
- carcass quality, probiotics 4340
- carcasses
  - somatotropin, hypothalamic releasing hormones 1602
  - thyrotropin releasing hormone 1602
- casein
  - biochemical polymorphism, restriction fragment length polymorphism 912
  - gene mapping, DNA hybridization 893
  - genetic polymorphism 1206
  - nucleotide sequences 1206
- chaperonins, nucleotide sequences 690
- citrullinaemia, diagnosis, embryos 1482
- conception rate, oestrus, induction 5424
- conglutinin
  - gene expression 3457
  - gene mapping, DNA hybridization 3056
  - nucleotide sequences 1219, 3457
- *Coxiella burnetii*, detection, polymerase chain reaction 3154
- cylicin, nucleotide sequences, testes 2899
- cytochrome-*c* oxidase
  - gene expression 4521
  - nucleotide sequences 4521
  - restriction fragment length polymorphism 370
- cytochromes, nucleotide sequences 5571
- dairy performance, genes, milk proteins, linkage 6455
- detection, restriction fragment length polymorphism, Nematoda 4767
- diagnosis, freemartins, polymerase chain reaction 5334
- disease resistance, trypanosomiasis, gene mapping 1961
- DNA
  - detection
    - blastocyst, polymerase chain reaction 962

Cattle *cont.*
- DNA *cont.*
  - detection *cont.*
    - embryos, polymerase chain reaction 962
  - microinjection, embryos, transgenics 2068
  - polymerase chain reaction
    - embryos
      - biopsy 4243
      - sex diagnosis 4799
      - splitting 4243
    - milk 1778
  - polymorphism, marker genes, gene mapping 6451
- DNA binding proteins, nucleotide sequences 2343
- DNA fingerprinting
  - breed differences 6467
  - coefficient of relationship 2524
  - parentage 1948
    - beef herds 5338
    - statistical analysis 4660
- DNA libraries
  - chromosome translocation, gene mapping 6495
  - construction, chromosomes, dissection, gene mapping 6495
- DNA probes
  - paternity 1421
  - pedigree 1421
- ELISA
  - carrier state, detection, *Salmonella dublin* 1484
  - detection
    - *Boophilus microplus* 4428
    - *Hypoderma lineatum* 4772
    - somatotropin, blood 4763
  - diagnosis, aspergillosis 2581
- embryo transfer
  - calving rate
    - embryos
      - biopsy 5359
      - splitting 5359
  - dystocia 2060
  - embryos
    - blastomere, electrofusion 2045
    - freezing
      - calving rate 4242, 5376
      - pregnancy rate 3680, 5369
    - quality, mortality, embryos 2608
    - splitting, calving rate 4242
  - genetic gain
    - breeding programmes 2598
      - Developing Countries 2597
  - Germany 2602
  - *in vitro* fertilization, Greece 2069
  - Japan 3167
  - mortality, embryos 2060
  - pregnancy rate 3240, 3681, 3685, 4795
    - culture media, granulosa cells 4781
    - embryos
      - biopsy 5359
      - blastomere, electrofusion 2609
      - DNA, injection 4784
      - freezing 975, 5374
      - splitting 5359
      - trophoblast 6599
      - vitrification 451
    - oocytes, *in vitro* fertilization 455
    - Portugal 3680
  - prostaglandins, in blood 6067
  - sex ratio, embryos, freezing 3679
  - superovulation, reviews 4884
  - Switzerland 2064
  - twinning 4795
  - Uganda, breeds, indigenous, recipients 4779
- embryonic development
  - *in vitro* culture, culture media 3690
  - oviducts, *in vitro* fertilization 2046
- embryos
  - aggregation, chimaeras 3228
  - biopsy, *in vitro* development 4243
  - cloning, reviews 1530
  - DNA, injection, *in vitro* development 4784
  - freezing
    - cryoprotectants 5373

Cattle *cont.*
- embryos *cont.*
  - freezing *cont.*
    - cryoprotectants *cont.*
      - embryonic development, *in vitro* 975
      - *in vitro* development 5378
    - embryo transfer 3164
    - glucose 5373
    - *in vitro* development 5362, 5373
    - survival
      - blood serum 970
      - reviews 2051
      - sodium hyaluronate 970
  - *in vitro* culture, culture media 4854
  - *in vitro* development 980
    - amino acids 4308
    - blood proteins 973, 6605-6606
    - blood serum 4797, 5363, 5374, 6605
    - breed differences 1513
    - chimaeras 3228
    - chromosome translocation 4790
    - culture media 961, 4782, 4848
      - amino acids 3233
      - blood serum 5969
      - composition 4245
      - energy sources 3233
      - phosphate 3233
      - volume 6594
    - cumulus cells 981, 1534
    - DNA, injection 1534
    - embryos, blastomere, electrofusion 2045
    - energy sources 5972
    - epidermal growth factor 4787
    - FSH 1582
    - glucose 967
    - granulosa cells 4781
    - hypotaurine, epinephrine 5365
    - *in vitro* fertilization 2069, 4789
    - insulin 973, 5374
    - LH 1582
    - liver, cells, rats 4782, 4868
    - nuclei, ultrastructure 2058
    - oestrogens 1582
    - oestrous cycle 1513
    - oocytes
      - blastomere, fusion 4860
      - cumulus oophorus 4239
      - freezing 2126
      - *in vitro* fertilization 2129, 4869
      - *in vitro* maturation 6671
      - nuclei, transfer 981, 1514
      - quality 4857
      - recovery 6669
        - techniques 5402
    - ova, cumulus cells 6605
    - ovaries, granulosa cells 4851, 6666
    - oviducts
      - ampulla, mice 4792
      - cells 2046, 5969, 6605
      - epithelium 981, 4782, 5365, 5367, 5370, 6666
      - fluids 967, 6605
    - oxygen 5367
    - penicillamine, epinephrine 5365
    - pregnancy 1513
    - prostaglandins 1521
    - proteins 5374
    - selenium 973, 5374
    - semen, freezing 965
    - sexual maturity 4239
    - sires 972
    - sodium chloride 6600
    - somatic cells, mice 961
    - thiols 5379
    - transferrin 5374
    - transforming growth factor 4787
    - trypsin 5971
    - vitamins 4308
  - *in vitro* fertilization 980
    - culture media 4854
  - nuclei, RNA, oocytes, follicles, size 2127
  - number, *in vitro* development 4787, 6594
  - quality
    - evaluation 2608

Cattle *cont.*
embryos *cont.*
quality *cont.*
in vitro development 4857
oestrous cycle, duration 5973
recovery
artificial insemination, frequency 3767
progesterone, in blood 3767
superovulation 3681, 3766, 6063
sex diagnosis
H-Y antigen 963
hypoxanthine phosphoribosyltransferase 452
karyotypes 963
polymerase chain reaction 5359
splitting, *in vitro* development 4243
trophoblast, freezing, morphology, cryoprotectants 4863
vitrification
embryonic development, *in vitro* 451
in vitro development 966
endoplasmic reticulum
receptors
gene expression 712
nucleotide sequences 712
enteropeptidase, nucleotide sequences 2327
eye lens, proteins, nucleotide sequences 665
fattening performance
somatoliberin, immunization, breed differences 2683
somatotropin 1077, 2688
hypothalamic releasing hormones 1602
thyrotropin releasing hormone 1602
follistatin 5583
food conversion, somatotropin 2684
freemartins, detection, polymerase chain reaction 909
fructose-bisphosphatase
gene expression 1231
nucleotide sequences 1231
RNA, alternative splicing 1231
G proteins
nucleotide sequences
brain 5608
tongue, taste papillae 4513
gene mapping
interferon, DNA hybridization 2500
pro-opiomelanocortin, restriction fragment length polymorphism, cell fusion, hybridization 4688
repetitive DNA, cell fusion, hybridization 4690
reviews 888
satellite DNA 4119
cell fusion 3589
gene transfer
somatotropin
embryonic development
in sheep oviducts 3676
in vitro 3676
genes
myogenic factor, nucleotide sequences 3425
transcription, antigens, embryos 5974
genetic disorders, embryos, identification, polymerase chain reaction, restriction fragment length polymorphism 6496
genotypes, identification, restriction fragment length polymorphism, diseases, leukocyte adhesion deficiency 6452
glutathione peroxidase
gene expression, eyes 3439
nucleotide sequences 3439
glycoproteins, brain, nucleotide sequences 262
GnRH
oestrus, duration 4885
ovulation rate 4885
growth, somatotropin 2684
guanylate kinase, nucleotide sequences 5040
heat shock proteins, nucleotide sequences 6232

Cattle *cont.*
horns, development, gene mapping, linkage, microsatellites 3591
immunoglobulins
receptors
gene mapping, cells, fusion 6478
restriction fragment length polymorphism 6478
restriction fragment length polymorphism 3587
in vitro development
embryos, quality 3684
oocytes 6669
in vitro fertilization 3241
bicarbonates 4871
embryos, freezing, reviews 2051
oocytes 2122, 3237, 6669
culture media, *in vitro* development, embryos 2050
embryo transfer 3226, 3240
freezing 6601
embryos, *in vitro* development 6601
hypotaurine, epinephrine 5365
in vitro maturation 3234, 3240
nuclei, RNA 2127
penicillamine, epinephrine 5365
spermatozoa, antigens 6060
ova, embryos, *in vitro* development 5971
spermatozoa, inactivation 2120
inhibin
immunization
ovulation rate, reviews 3248
superovulation, reviews 3248
nucleotide sequences 3986
restriction fragment length polymorphism 6477
insulin-like growth factor
binding proteins, gene expression, mammary glands, cell lines 5015
gene transfer, mammary glands, cell lines 5015
restriction fragment length polymorphism 6477
integrins, nucleotide sequences 5051
interferon
in vitro secretion, embryos, quality 1522
receptors, nucleotide sequences 3966
interleukins, gene mapping, DNA hybridization 1935
isocitrate dehydrogenase, nucleotide sequences, mitochondria 670
lactalbumin
gene mapping, DNA hybridization 1947
genetic polymorphism, breed differences 643
nucleotide sequences 643
lactoferrin
gene mapping 914
genetic engineering, transgenics, reviews 5499
milk, transgenics 3814
lactoperoxidase, gene mapping, DNA hybridization 1947
lipoprotein lipase, restriction fragment length polymorphism 1964
low density lipoprotein, receptors, restriction fragment length polymorphism 370
lysozyme
gene expression, trachea 2339
milk, transgenics 3814
nucleotide sequences, trachea 2339
major histocompatibility complex
enhancers
nucleotide sequences 3946
transcription 3946
gene expression 4065
interferon, response element, transcription 3946
nucleotide sequences 662, 887, 2893, 4065
restriction fragment length polymorphism 558, 887
marker genes, quantitative traits, genetic improvement 1960

Cattle *cont.*
meat, origin, identification, restriction fragment length polymorphism, Korea Republic 558
meat quality, somatotropin 1606, 2168
microglobulins, nucleotide sequences 1766
microsatellites
breed differences 6485
gene mapping 911
DNA hybridization 4684
marker genes 6115
milk, dieldrin, detection, ELISA 4227
milk proteins
gene expression, reviews 1222
gene mapping, reviews 1222
molecular biology, reviews 1222
restriction fragment length polymorphism 3584
targeted mutagenesis 3921
milk yield
breeding programmes, nucleus scheme, embryo transfer, MOET 3166
mitochondrial DNA, restriction fragment length polymorphism 1416
mitochondrial DNA
nucleotide sequences
milk yield 3452
reproduction 3452
restriction fragment length polymorphism 3618
monoclonal antibodies, oviducts, antigens 1067
myosins, nucleotide sequences 5086
neurotransmitters
transporters
gene expression 5157, 6233
nucleotide sequences 5157, 6233
nuclei
transfer
oocytes
embryo transfer, pregnancy rate 4237
embryos, *in vitro* development 1514, 4237
5′-nucleotidase, nucleotide sequences 707
nucleotide sequences 5583
GnRH, receptors 1776
nutrients
utilization
lactation, somatotropin 1600
somatotropin, injection 5433
oestrus
detection, vagina, mucus, electrical resistance 1073
induction
GnRH 5424
prostaglandins 4324
synchronization
embryos, recovery 6063
gonadotropins 3244
oestrogens 2674, 3244
progesterone 6063
progestogens 2674, 2677
prostaglandins 527, 1070, 6063
oocytes
activation
nuclei
transfer
DNA, synthesis 2044
embryos, *in vitro* development 6677
cooling, physical properties, *in vitro* maturation 2128
cumulus oophorus
in vitro development 6679
in vitro fertilization 6679
freezing
cryoprotectants 2128
dimethyl sulfoxide 2126
fertilization 4304
glycerol 2126
propanediol 2126
in vitro fertilization 2126
physical properties, *in vitro* maturation 2128
fusion, blastomere, embryonic development 2056
in vitro development 967, 6606
in vitro fertilization 6600

Cattle *cont.*
oocytes *cont.*
in vitro development *cont.*
semen diluents 965
in vitro fertilization 455, 961, 967, 2123, 2129, 2609, 3228, 4787, 4792, 4868-4869, 5363, 5376, 5378, 6603, 6606
blood serum 4797
breed differences 1513
culture media 4782, 4848
cumulus oophorus 3230
embryonic development 507
FSH 1582
LH 1582
liver, cells 4782
oestrogens 1582
oestrous cycle 1513
ovaries, granulosa cells 4851, 6666
oviducts, epithelium 4782, 5365, 6666
pregnancy 1513
reviews 1520
semen diluents 965
sires 972
spermatozoa
heparin 972
incubation, duration 4869
motility 1580
swim-up test 6048
theophylline 2134
in vitro maturation 455, 961, 2123, 2609, 3241, 4787, 4792, 4868-4869, 5363, 5376, 5378
activin 5413
adenosine, analogues 5403
amniotic fluid 4866
blood serum 4866, 6671
c-AMP 5407
carbon dioxide 2130
culture media 4782, 4848
dimethyl sulfoxide 6664
fibroblast growth factors 6671
follicular fluid 4866
FSH 1582, 6671
gossypol 4864
in vitro fertilization 6671
insulin 6671
LH 1582, 6671
liver, cells 4782
oestrogens 1582
ovaries
follicles 2132
follicular fluid 4870
granulosa cells 4851, 6666
oviducts, epithelium 4782, 6666
proteins, synthesis, inhibitors 5407
reviews 1520
spermatozoa, penetration 6664
transforming growth factor 6671
maturation
follicular fluid, embryos, *in vitro* development 4314
fusion, with mouse oocytes 2663
nuclei
transfer
embryo transfer 981
in vitro development 5974
pregnancy rate 2045
parthenogenesis
cycloheximide 6047
ethanol 6047
induction
cycloheximide 4872
electric current 4872
ethanol 4872
quality
in vitro fertilization 4857
in vitro maturation 4857
recovery
FSH, pregnancy 2129
techniques 3226
in vitro fertilization 5402
in vitro maturation 5402
spermatozoa, penetration, proteins 2133
ultrastructure, ultraviolet radiation 4310

Cattle *cont.*
osteonectin, promoters, DNA binding proteins 2993
ova
in vitro fertilization 980
in vitro maturation 980
in vitro fertilization, culture media, caffeine 4789
ovaries
follicles
aspiration, oocytes, recovery, ultrasonics 6669
in vitro culture, oocytes, morphology 4853
oocytes, aspiration, ultrasonics 3234
transport, temperature, embryonic development 507
oviducts, glycoproteins, nucleotide sequences 3979
oxytocin, restriction fragment length polymorphism 370
parathyrin, restriction fragment length polymorphism 877
parthenogenesis, induction, oocytes, *in vitro* development 2125
pharmaceutical proteins, genetic engineering, transgenics, reviews 5499
phosphate
binding proteins
mitochondria
gene expression 5035
nucleotide sequences 5035
RNA, alternative splicing 5035
phosphofructokinase
gene expression 1231
nucleotide sequences 1231
RNA, alternative splicing 1231
plasminogen activator
nucleotide sequences 675
receptors, nucleotide sequences 675
restriction fragment length polymorphism 558
PMSG, immunization, ovulation rate, oestrous cycle 6069
polymerase chain reaction, breeds, genetic distance 6461
polypeptide *N*-acetylgalactosaminyltransferase
gene expression 5578
nucleotide sequences 5578, 5581
pregnancy diagnosis
pregnancy specific protein, blood 3247
progesterone, blood 3247
pregnancy rate
embryo transfer 2045
embryos, biopsy 903
prochymosin, restriction fragment length polymorphism 370
progestogens, oestrus, synchronization 6695
prolactin
gene expression, inhibition, steroid hormones, receptors 4032
receptors
gene expression 5034
nucleotide sequences 5034
prostaglandins
oestrus, synchronization 6695
receptors
nucleotide sequences 3523
RNA, alternative splicing 3523
proteoglycans
nucleotide sequences 3983
cornea 659
repetitive DNA
DNA hybridization, chromosomes 3615
gene mapping, restriction fragment length polymorphism 5255
restriction fragment length polymorphism 356, 2532-2533, 3603, 4691
Y chromosome, gene mapping, DNA hybridization 6502
reproduction, females, somatotropin 2155
restriction fragment length polymorphism
breed differences 6475
genes, prolactin 3622

Cattle *cont.*
restriction fragment length polymorphism *cont.*
lactalbumin 4135
lysozyme 3613
somatotropin
breed differences 1954
milk yield 1954
uroplakin 5604-5605
retina
proteins
gene expression 5579
nucleotide sequences 5579
retinoblastoma, gene mapping, DNA hybridization 1947
ribonucleases, nucleotide sequences 3429
Sarcocystis cruzi, detection, ELISA 3152
satellite DNA
gene mapping, DNA hybridization 3620
marker genes, gene mapping 3073
parentage 917
restriction fragment length polymorphism 376, 1395, 1400, 1415, 2512-2519, 3600, 4132, 6500
selectins, nucleotide sequences 2921
semen
freezing 4309
antioxidants 2118
seminalplasmin, nucleotide sequences, vesicular gland 3961
sex chromosomes
chimaeras, detection, twinning, polymerase chain reaction 5334
detection
erythrocytes, polymerase chain reaction 2031
semen, polymerase chain reaction 2031
sex determination
embryos, polymerase chain reaction 964
nucleotide sequences 689
sex diagnosis
blastocyst, polymerase chain reaction 962
blastomere, polymerase chain reaction 903
embryos 1518
chromosomes 4783
karyotypes 976
polymerase chain reaction 962
somatotropin
enhancers, RNA, alternative splicing 5185
fatty acids, milk composition 4338
granulosa cells, growth 2675
hormones, blood, lactation 4342
LH 4891
metabolites, blood, lactation 4342
milk composition 5434
mastitis 4341
milk yield 3255, 4891, 5434
mastitis 4341
pregnancy rate 3255
recombinant, restriction fragment length polymorphism, gene expression, milk yield 2509
restriction fragment length polymorphism 1967, 6477
genotypes, sire evaluation, carcass quality 6494
sexual maturity, females 4893
utilization, USA 6706
spermatozoa
acrosome reaction, swim-up test 6048
encapsulation, artificial insemination, techniques 5408
fertilizing ability
in vitro, theophylline 2134
swim-up test 6048
motility, swim-up test 6048
penetration, *in vitro*, ova, bicarbonates 4871
X-Y separation
density gradient centrifugation 2147
H-Y antigen 1045, 3238
sex control 2147
sex ratio 2147

Cattle *cont.*
stearoyl-CoA desaturase
DNA, restriction fragment length polymorphism 1423
restriction fragment length polymorphism 1423
superovulation
embryos
recovery 508, 4882
FSH 4886
gonadotropins 4886
LH 4886
LHRH, antagonists 5405
somatotropin 5422
FSH 508, 529, 531, 1068, 1070, 1596, 4795, 4886
embryos, recovery 2153, 3246, 3768, 5429, 6694
ovaries, follicles, development 2150
GnRH 508
gonadotropins 4886
LH 529, 4886
PMSG 508, 1068, 4795
antibodies 4882
reviews 1588
embryos, recovery 3768
somatotropin, embryos, recovery 2149
T lymphocytes, receptors, gene expression 2343
techniques, spermatozoa, acrosome reaction, detection 6665
transfer RNA, mitochondria, nucleotide sequences 2924
transgenics
detection
blastocyst, polymerase chain reaction 962
embryos, polymerase chain reaction 962
DNA, microinjection, embryonic development 3693
transposable elements, gene mapping, techniques 914
tryptophan-tRNA ligase, gene mapping, DNA probes 892
tyrosine kinase, receptors, nucleotide sequences 1863
ubiquitin, nucleotide sequences 715
uridine monophosphate synthase
deficiency diseases, detection, embryos, polymerase chain reaction 5961
gene mapping
DNA hybridization 3071
fluorescence, DNA hybridization 3055
nucleotide sequences 695
uroplakin
gene mapping, cell fusion 3616
restriction fragment length polymorphism 4689
uterus, prostaglandins, embryos, quality 5973
vesicular stomatitis virus, detection, ELISA 3137
Cattle dung
anaerobic digestion, surfactants, methane production 6707
poultry manure, whey, anaerobic digestion, methane production, temperature, retention 6708
Cattle manure, anaerobic digesters, supports, zeolite, kinetics 3264
Cattle slurry, anaerobic digesters, design, biogas, production, India 6091
Cauliflower mosaic caulimovirus
cloning, DNA binding proteins 121
gene expression 3571
Nicotiana tabacum 1331
genetic transformation
coat proteins, *Brassica napus* 1714
Nicotiana bigelovii 2267
Nicotiana tabacum 5836
promoters 3571
Nicotiana tabacum 1331, 5836
Cayratia japonica, ovule culture, somatic embryogenesis 4323
Ceanothus americanus
tissue culture
alkaloids 4444
flavonoids 4444
Cecropin
gene expression, *Solanum tuberosum* 2269
genetic transformation
Nicotiana tabacum 3900
Solanum tuberosum 108, 2260, 2269, 6168
Cell adhesion molecule
enhancers, nucleotide sequences, cell lines 2418
liver cells, gene expression, rats 244
nucleotide sequences, mice 635
transcription factors, cell lines 2418
Cell culture
acridone synthase, *Ruta graveolens* 3727
adenosinetriphosphatase, *Daucus carota* 5987
adenosylmethionine methyltransferase, *Ailanthus altissima* 3736
ajmalicine, *Catharanthus roseus* 4471
alcohols, *Gardenia jasminoides* 4442
alkaloids
Ailanthus altissima 3736, 4475
Catharanthus roseus 4449, 4471, 4476
Corydalis 4460
Datura stramonium 1730
Eschscholzia californica 2278
Papaver bracteatum 4451
Papaver somniferum 3399, 4451
Ruta graveolens 3727
Sanguinaria canadensis 4448
Tabernaemontana divaricata 3706
Thalictrum minus 1734
Thalictrum tuberosum 4480
Amsonia tabernaemontana 4896
α-amylase, *Oryza sativa* 1898
anabasine, *Nicotiana tabacum* 1192
animals
books 3829
conferences 3825
techniques, books 2742
Apium graveolens 6025
aromatic-L-amino-acid decarboxylase
Catharanthus roseus 1741
Tabernaemontana divaricata 1741
atrazine, *Amaranthus retroflexus* 140
auxin binding proteins, *Hyoscyamus muticus* 5981
benzophenanthridine, *Corydalis* 4460
berberine, *Thalictrum minus* 1734
bioreactors 1549
blue light, *Lithospermum erythrorhizon* 4485
bone marrow cells, gene transfer, retroviral vectors, dogs 2215
Brassica napus 1569
rape 2879
brassinolide, *Catharanthus roseus* 3213
bryonolic acid
Citrullus lanatus 4447
Luffa aegyptiaca 1740
cadaverine, *Nicotiana tabacum* 1192
camphor-6-exo-hydroxylase, *Salvia officinalis* 4816
cannabinol, *Pinellia ternata* 4486
Capsicum 4896
carbohydrates, *Cucumis sativus* 5798
cardenolides, *Digitalis grandiflora* 1737, 3746
Carthamus tinctorius 997
Catharanthus roseus 3712, 4825
cell division, *Oryza sativa* 2649
Ceratocystis ulmi
Ulmus campestris 2840
Ulmus pumila 2840
chlorophyll *a/b* binding protein, *Brassica napus* 297
Coffea arabica 1607
cold, *Daucus carota* 3735
coumarins
Ailanthus altissima 4475
Pimpinella anisum 4477
cryopreservation
Citrus 6622
Panax pseudoginseng 4815
Cell culture *cont.*
cytidine triphosphate:phosphatidate cytidyltransferase, *Catharanthus roseus* 2093
2,4-D
cell division, *Nicotiana tabacum* 3023
Cenchrus ciliaris 4813
G proteins, *Nicotiana tabacum* 3023
Daucus carota 2082
differentiation, *Zinnia elegans* 2079
dimethylallyltranstransferase, *Vitis vinifera* 5988
L-DOPA, *Mucuna pruriens* 151
elicitors, *Datura stramonium* 1730
Elymus hispidus 2638
embryogenesis, *Oryza sativa* 6638
Eucalyptus perriniana 4474
fatty acids, *Theobroma cacao* 2100
Festuca arundinacea 5985
flavonoids
Cephalocereus senilis 3725
Crataegus monogyna 4462
Glycyrrhiza echinata 1735
Liquidambar styraciflua 3391
Lithospermum erythrorhizon 4485
Scutellaria baicalensis 1739
flavonols, *Vancouveria hexandra* 4491
folylpolyglutamate, *Datura fastuosa* 5010
formononetin, *Glycyrrhiza glabra* 983
Fragaria ananassa 2617
fungal elicitors, *Pimpinella anisum* 4477
gene expression, *Nicotiana tabacum* 275
β-glucanase, *Hordeum vulgare* 2644
glucosides, *Centella asiatica* 4481
glutathione transferase, *Hyoscyamus muticus* 5981
glycosides
Linum flavum 2284
Rauvolfia serpentina 4829
Vancouveria hexandra 4491
glycyrrhetinic acid 24-hydroxylase, *Glycyrrhiza glabra* 4819
Glycyrrhiza glabra 984
heat shock proteins
Catharanthus roseus 6016
Digitalis lanata 6016
Lycopersicon esculentum 6016
Peganum harmala 6016
Petroselinum crispum 6016
Pisum sativum 6016
herbicide resistance, *Amaranthus retroflexus* 140
Humulus lupulus 6022
p-hydroxybenzoate geranyltransferase, *Lithospermum erythrorhizon* 3752
IAA, *Petunia* 466
inosine 5′-phosphate dehydrogenase, *Catharanthus roseus* 4833
Ipomoea angulata 4896
iridals, *Iris pallida* 4468
isocitrate lyase, *Cucumis sativus* 5798
isopentenyl diphosphate, *Vitis vinifera* 2109
isoquinoline alkaloids, *Coptis japonica* 4479
jasmonic acid, *Eschscholzia californica* 4490
Lactuca sativa 1079
lasers, *Asparagus officinalis* 4219
lithium chloride, *Catharanthus roseus* 1193
macronutrients, *Carthamus tinctorius* 5542
malate dehydrogenase, *Cucumis sativus* 5798
malate synthase, *Cucumis sativus* 5798
methotrexate, *Datura fastuosa* 5010
6-methoxymellein, *Daucus carota* 5996, 469
methyl jasmonate, *Lithospermum erythrorhizon* 4470
N-methyl-*N*-nitrosourea, *Alhagi kirghisorum* 2878
methyltransferases, *Ruta graveolens* 4446
microtubules, *Daucus carota* 6660
mutagens, *Alhagi kirghisorum* 2878
oleosins, *Pimpinella anisum* 6644
Panax pseudoginseng 4815
phenylalanine ammonia-lyase, *Glycine max* 2264

Cell culture *cont.*
phosphogluconate 2-dehydrogenase (decarboxylating), *Catharanthus roseus* 4821
phospholipase D, *Catharanthus roseus* 5980
physical properties
Nicotiana tabacum 1546
Papaver somniferum 1546
phytoalexins, *Glycine max* 2264
pigments, *Carthamus tinctorius* 5542
plants 3710, 3741, 3919
plastids, *Theobroma cacao* 2100
ploidy, *Ruta graveolens* 1572
podophyllotoxin, *Linum flavum* 2284
polyamines, *Vitis vinifera* 3748
polyethylene glycol, *Capsicum annuum* 6650
polysaccharides, *Panax pseudoginseng* 2276
primordial germ cells, embryos, c-AMP, mice 1517
proteins, *Daucus carota* 2615
proto-oncogenes, disruption, fibroblasts, mitosis, mice 154
protoberberine, *Corydalis* 4460
protopine, *Corydalis* 4460
protoplasts, *Hevea brasiliensis* 4249
quinoline alkaloids, *Ruta graveolens* 4446
quinones, *Lithospermum erythrorhizon* 4487
regeneration
Allium cepa 6652
Allium fistulosum 6652
Hordeum vulgare 6626
Oryza sativa 3716
regenerative ability, *Saccharum* 3724
repetitive DNA, *Triticum aestivum* 164
(S)-reticuline, *Thalictrum tuberosum* 4480
reviews 2076
Rhizoctonia solani, Hyoscyamus muticus 150
ribosomal DNA, *Triticum aestivum* 164
Rosa 5985
rosmarinic acid
Coleus blumei 149
Lithospermum erythrorhizon 4470
rosmarinic acid synthase, *Coleus blumei* 148
rotenoids, *Tephrosia vogelii* 4465
rotenone, *Tephrosia vogelii* 4465
Rubia tinctorum 4896
salicylic acid, *Rosa damascena* 6014
salutaridine
Papaver bracteatum 4451
Papaver somniferum 4451
salutaridine:NADPH 7-oxidoreductase
Papaver bracteatum 4451
Papaver somniferum 4451
sanguinarine, *Sanguinaria canadensis* 4448
secondary metabolites
plants 3394
Ruta graveolens 1572
shikonin, *Lithospermum erythrorhizon* 3752, 4485, 4487
Solanum stoloniferum 1121
Solanum vernei 1121
solavetivone, *Hyoscyamus muticus* 150
somatic embryogenesis 479
Apium graveolens 2084
Cenchrus ciliaris 4813
Daucus carota 3719, 5395, 5997, 6625, 6660
Musa 4111, 5397
Plantago ovata 2630
plants 2641
Vitis vinifera 6040
Spinacia oleracea 5985
steroids
Ammi majus 4450
Catharanthus roseus 3213
strictosidine, *Catharanthus roseus* 4471
strictosidine β-glucosidase
Catharanthus roseus 1741
Tabernaemontana divaricata 1741
strictosidine synthase
Catharanthus roseus 1741
Cinchona robusta 4482

Cell culture *cont.*
strictosidine synthase *cont.*
Tabernaemontana divaricata 1741
tannins, *Liquidambar styraciflua* 3391
techniques
Asparagus officinalis 4219
Daucus carota 6585
Perilla frutescens 1608
Saccharum officinarum 1550
terpenoids
Ammi majus 4450
Luffa aegyptiaca 1740
thiocolchicoside, *Centella asiatica* 4481
tobacco mosaic tobamovirus, *Nicotiana tabacum* 1557
1,1,1-trifluoroheptane-2-ol, *Nicotiana tabacum* 2857
1,1,1-trifluoroheptane-2-one, *Nicotiana tabacum* 2857
triterpenoids
Citrullus lanatus 4447
Iris pallida 4468
Triticum aestivum 2638, 3223
Triticum durum 3223
Triticum timopheevii 3225
tryptamine, *Catharanthus roseus* 4471
tubulin, *Daucus carota* 3719, 3735
umbelliferone:*O*-dimethylallyl transferase, *Ammi majus* 4450
warfarin, *Catharanthus roseus* 4454
water balance, *Capsicum annuum* 6650
Zea mays 4254
zeatin, *Catharanthus roseus* 4449
Zinnia elegans 2488

Cell cultures
proto-oncogenes
transcription
c-AMP, Sertoli cells, mice 819
FSH, Sertoli cells, mice 819

Cell division
abscisic acid, *Pisum sativum* 4828
cell culture
2,4-D, *Nicotiana tabacum* 3023
Oryza sativa 2649
DNA content, *Pisum sativum* 4828
flow cytometry, *Zea mays* 4745
gene expression
Antirrhinum majus 5204
Arabidopsis thaliana 2450, 5656
Catharanthus roseus 5656
2,4-D, *Nicotiana tabacum* 3023
Oryza sativa 1368, 2649
plants, reviews 867
Zea mays, reviews 867
genetic transformation
Arabidopsis thaliana 5656
Nicotiana tabacum 1325
Oryza sativa 1368
nucleotide sequences
Catharanthus roseus 5656
2,4-D, *Nicotiana tabacum* 3023
proto-oncogenes, transcription, regulation, cell lines 626

Cell fusion
gene mapping
chromosomes, nucleolus organizer, sheep 3585
complement 1 receptor, sheep 3585
computer software 5955
islet amyloid polypeptide, sheep 3585
α-2-macroglobulin factor, sheep 3585
myogenic factor 5, sheep 3585
myosin-like heavy chain, sheep 3585
satellite DNA, cattle 3589
hybridization
gene mapping
cattle 4675
pro-opiomelanocortin, restriction fragment length polymorphism, cattle 4688
repetitive DNA, cattle 4690
microcell hybrids
chromosomes, transfer, mammals, reviews 3655
mammals, techniques 3418
protein kinase
calcium dependent, gene mapping, mice 4133
calmodulin dependent, gene mapping, mice 4133
uroplakin, gene mapping, cattle 3616

Cell lines
activin, receptors, gene expression 2341
adenine phosphoribosyltransferase, targeted mutagenesis, hamsters 5551
adenylate cyclase, activating polypeptide, receptors, gene expression 1315
adipocytes
differentiation, transcription factors, gene expression, reviews 627
mitochondria, proteins, gene expression, targeted mutagenesis, mice 1855
β-adrenergic receptors, gene transfer, gene expression, plasminogen activator 2311
D-alanine transaminase, promoters, DNA binding proteins 249
α-amylase, gene expression, targeted mutagenesis, glucocorticoids, receptors 2417
androgens, binding proteins, targeted mutagenesis 155
angiotensin, receptors, transcription factors, rats 2408
animals, conferences 5459
antigens, heat stable, gene expression 2420
antisense DNA, globins, models 3110
apolipoproteins
gene expression
insulin 242
insulin-like growth factor 242
atrial natriuretic factor, enhancers, transcription, rats 1844
brown fat
immortalization
oncogenes, rats 2310
simian virus 40, antigens, rats 2310
c-AMP, response element, DNA binding proteins 1308
cell adhesion molecule
enhancers, nucleotide sequences 2418
transcription factors 2418
centrosomes, proteins, gene expression, mice 265
choriomammotropin, promoters, gene expression, trophoblast 822
cloning, gene expression, vectors, antisense DNA, selectable markers 4741
collagen, promoters, gene expression, transgenics, mice 5740
connexin, gene expression 3004
cyclophilin, binding proteins, gene expression 180
cystic fibrosis, transmembrane conductance regulator, RNA, alternative splicing 1314
cytochrome P450 aromatase, promoters, transcription, c-AMP 778
density, transforming growth factor, transcription, antisense DNA, uptake 1760
dihydrofolate reductase, gene transfer, vectors, *Aedes albopictus* 2831
DNA binding proteins, prostate, promoters, regulation, androgens, receptors 2984
DNA topoisomerase
mutations 2340
nucleotide sequences 2340
drug resistance
kinesin, inhibition, mice 5328
targeted mutagenesis, gene expression, corticotropin 2286
embryonic stem cells
mice 5368
rats 6598
epidermal growth factor, receptors, gene expression 3431
fatty-acid synthase, transcription, insulin 809
fatty acids, binding proteins, transcription, transgenics 592
G proteins, promoters, activation, retinoic acid, mice 5028
gene mapping, techniques, DNA hybridization, polymerase chain reaction 2027

Cell lines *cont.*
gene transfer
biolistics 6130
retroviral vectors 12
genes
homeo box, DNA binding proteins 2397
housekeeping, promoters, transcription factors 165
oestrogen-responsive, oestrogens, antagonists, reporter genes 1453
globins
promoters, DNA binding proteins, mice 5759
transcription, promoters, chromatin, structure 770
glucocorticoids
receptors
gene expression
chemical treatment, mice 5182
heat shock, mice 5182
γ-glutamyltransferase, promoters, transcription 5183
glycoproteins, hormones, promoters, transcription, thyroid hormones, targeted mutagenesis 1318
glycosylation inhibiting factor, gene expression 3442
GnRH, receptors, gene expression 1782
growth factors, neurons, vectors, mammals 2760
heat shock proteins
cells, mortality 194
transcription 1762
immortalization
oncogenes 3419
spermatogenesis, meiosis, *in vitro* culture 2666
immunoglobulins
recombination, nucleotide sequences 182
secretion, transgenics 2881
inhibin, transcription, c-AMP 811-812
insulin-like growth factor, promoters, DNA binding proteins, gene expression 2996
integrins
promoters
nucleotide sequences 2387
transcription, vitamin D 2387
transcription factors 2387
interleukins
receptors, gene expression 2324
transfection, Adenoviridae, liposomes, gene expression, rats 3845
leukaemia, Retroviridae, isolation, fishes 63
lipoprotein lipase, gene expression, mutations 1319
liposomes, gene transfer, techniques, mammals 4929
lungs, surfactants, promoters, transcription 1199
macrophages
colony stimulating factor
receptors
promoters
gene expression 2425
transcription 2425
major histocompatibility complex, transcription, proto-oncogenes 250
mammary glands
insulin-like growth factor
binding proteins, gene expression, cattle 5015
gene transfer, cattle 5015
mice, genes, homeo box, gene expression 2402
mitochondrial uncoupling protein, transcription 243
myosins, DNA binding proteins 1865
neural cell adhesion molecule, promoters, gene expression, rats 2983
5′-nucleotidase, gene expression 707
oestrogens, gene expression 2400
oncogenes
gene expression
growth, transgenics, mice 3420
tissue repair, transgenics, mice 3420

Cell lines *cont.*
oncogenes *cont.*
gene expression *cont.*
transformation, transgenics, mice 3420
promoters, surfactant protein, transgenics, mice 2313
opioid peptides, receptors, gene expression, drugs, screening 3460
ovaries
granulosa cells
cytokines, secretion, mice 5381
growth factors, secretion, mice 5381
hormones, secretion, mice 5381
phosphatidylethanolamine *N*-methyltransferase, gene expression, rats 5572
phosphoenolpyruvate carboxykinase, transcription, glucocorticoids, binding proteins 788
plasmids
gene transfer, recombination, analysis 2763
vectors, targeted mutagenesis, adenine phosphoribosyltransferase, hamsters 5552
proliferation, membrane proteins, nucleotide sequences, mice 2330
promoters, Herpesviridae, vectors, gene expression, mammals 5013
prostaglandin-endoperoxide synthase
transcription
induction
platelet-activating factor 6337
retinoic acid 6337
protein kinase, transcription, mice 5715
protein synthesis
elongation factors
gene expression 798
nucleotide sequences 798
proteins, production, genetic engineering, mammals, reviews 6221
proto-oncogenes
gene expression, mice 2425
gene transfer, yeast artificial chromosomes, mice 5478
insulin, transcription 1851
nucleotide sequences, mice 2425
transcription, regulation, cell division 626
transcription factors, gene expression, mice 3534
receptors, gene transfer, techniques, books 6128
recombinant DNA, gene expression, enhancement, butyric acid, analogues, mammals 3507
renin
promoters
gene expression, kidneys 3338
reporter genes
transcription
c-AMP, mice 4595
proto-oncogenes, mice 4595
reporter genes, gene expression, hamsters 1103
restriction endonucleases, gene mapping, techniques 6569
retinoic acid, receptors, targeted mutagenesis, gene expression 2287
retroviral vectors
DNA, integration 5473
gene expression
hamsters 3307
induction, steroid hormones, mice 5470
mice 3307
particles, gene transfer 5474
production 4932
Retroviridae, reporter genes, vectors 5477
RNA, transfection, liposomes, mammals, techniques 4924
Rous sarcoma virus, susceptibility, gene expression 2317
selectins, gene expression, monoclonal antibodies 5014
sex hormones, binding proteins, targeted mutagenesis 155

Cell lines *cont.*
sodium, hydrogen, exchangers, c-AMP, regulation, targeted mutagenesis 6205
somatotropin
receptors
mutations, gene expression 1304
transfection, gene expression, vaccinia virus 5016
transcription, transgenics 592
transfection, gene expression 628
steroidogenesis, targeted mutagenesis, mice 3924
thymidylate synthase, gene expression, mice 1845
thyrotropin, receptors, targeted mutagenesis, gene expression, mice 4494
transcription
inhibition, DNA binding proteins, mice 5168
initiation, nucleotide sequences 1761
transcription factors
enhancers, gene expression, mice 2410
gene expression 2390
inhibitors, nucleotide sequences, pigs 803
kidneys 3461
liver, promoters, gene expression 807
nervous system, gene expression, mice 4586
transfection
electroporation, temperature 2769
plasmids, liposomes, peptides 2762
transferrin, receptors, gene transfer, techniques 566
transformation, antigens, viruses, insulin-like growth factor, targeted mutagenesis, mice 2312
tumour necrosis factor, gene expression 261
tyrosine aminotransferase
gene expression
glucocorticoids, rats 4037
insulin, rats 4037
vectors
enhancers, gene expression, mammals 3309
gene expression 563
plasmids, gene transfer, mammals 1103
promoters, Adenoviridae, gene expression, enhancement 2770
yeast artificial chromosomes, DNA replication, mice 5559
Cell membranes
monoclonal antibodies, *Lepidium sativum* 2041
oligonucleotides, transport, electron microscopy 4938
Cellobiohydrolase II
gene expression, *Trichoderma longibrachiatum* 2315
nucleotide sequences, *Trichoderma longibrachiatum* 2315
promoters, *Trichoderma longibrachiatum* 2315
Cells
animals, molecular genetics, techniques, books 3827
antisense DNA, uptake, streptolysin, mice 2756
death, proto-oncogenes, gene expression, brain, transgenics, mice 45
differentiation, gene expression, embryonic development, mice, reviews 4046
DNA
isolation, mammals, techniques 3130
purification, techniques 2558
transfection, reporter genes, mammals 2768
uptake, receptors, endocytosis, fowls 4956
ELISA, detection, blood, dogs 2572
epithelium
spermatozoa
acrosome reaction, sheep, models 2665
capacitation, sheep, models 2665

Cells *cont.*
eukaryotes, molecular genetics, techniques, books 3660, 3665
fusion
aconitate hydratase, gene mapping, mitochondria, cattle 6492
immunoglobulins, receptors, gene mapping, cattle 6478
hybrids, gene mapping, polymerase chain reaction 3667
in vitro culture, animals, books 4369
insects
Baculoviridae, gene expression 2220
polypeptide *N*-acetylgalactosaminyltransferase, gene expression, Baculoviridae 5581
mammals
molecular genetics, techniques, books 3306, 3418, 3655, 3658, 3667
phosphoglycerate kinase, promoters, vectors 2761
retroviral vectors, gene transfer, reviews 4930
morphology, mammals, biosensors 3782
mortality, heat shock proteins, cell lines 194
movement, mammals, biosensors 3782
muscles, transcription factors, targeted mutagenesis, mice, reviews 5000
proteins, purification, techniques 2558
RNA
extraction, techniques 3104
purification, techniques 2558
specificity, antigens, simian virus 40, transformation, mice 2239
surface proteins, gene mapping, rats 1938
targeted mutagenesis, vectors, mammals, techniques 2247
transplantation, gene therapy, haemophilia, mice 1665
Cellulase
cellulose, biodegradation, *Clostridium thermocellum* 5870
gene expression
Glycine max 5215
Lycopersicon esculentum 1892
pancreas, mice 2804
Persea americana 1923
Sambucus nigra 5698
gene transfer, pancreas, mice 2804
nucleotide sequences
Glycine max 5215
Sambucus nigra 5698
Cellulomonas, survival, microcosms 2727
Cellulose, biodegradation, *Clostridium thermocellum,* cellulase 5870
Cellulosic wastes
utilization
chemicals, production, reviews 6090
ethanol production, reviews 6090
fuels, production, reviews 6090
Cenchrus ciliaris
cell culture
2,4-D 4813
somatic embryogenesis 4813
Centella asiatica
cell culture
glucosides 4481
thiocolchicoside 4481
Central nervous system
G proteins, gene expression, mice 5075
gene expression, morphogenesis, embryonic development, mice 5725
glucose, transporters, gene expression, rats 5748
glycoproteins
gene expression, mice 781
nucleotide sequences, mice 781
RNA, alternative splicing, mice 781
myelin basic protein, transcription factors, gene expression, mice 5731
neurofilaments, proteins, gene expression, transgenics, mice 5492
transcription factors, repression, gene expression, embryos, mice 4043
Centres of origin, restriction fragment length polymorphism, *Phaseolus vulgaris* 5267
Centromeres
chromosome mapping, DNA probes, mice 6476
Centromeres *cont.*
DNA hybridization, *Zea mays* 2346
nucleotide sequences, *Zea mays* 2346
Centrosomes, proteins, gene expression, cell lines, mice 265
Cephalocereus senilis, cell culture, flavonoids 3725
Cephalotaxus harringtonia, tissue culture 4823
Ceramide UDP galactosyltransferase
gene expression, brain, rats 3451
nucleotide sequences, rats 3451
Ceratocystiopsis, nucleotide sequences, taxonomy 105
Ceratocystis ulmi
cell culture
Ulmus campestris 2840
Ulmus pumila 2840
molecular genetics
genetic relationships 100
karyotypes 100
restriction fragment length polymorphism, genetic relationships 379
Cercospora, gene expression, *Zea mays* 3043
Cercospora beticola, gene expression, *Beta vulgaris* 5529
Cercospora nicotianae
antisense DNA, *Nicotiana sylvestris* 2848
gene expression, *Nicotiana sylvestris* 2848
genetic transformation, *Nicotiana sylvestris* 2848
Cercospora zeae-maydis
genetic markers, *Zea mays* 380
restriction fragment length polymorphism, *Zea mays* 380
Cercosporin, gene expression, *Zea mays* 3043
Cereals
DNA hybridization, ribosomal DNA 4169
ELISA, detection, mycotoxins, USA 4777
gene expression
abscisic acid 304
gibberellins 304
stress 304
techniques 4627
gene mapping 395, 3626
transposable elements 3083
genetic markers 1989
genetic transformation, techniques 4627
in vitro culture, regeneration 3731
molecular genetics 3084
repetitive DNA 3083
monoclonal antibodies, *Pseudocercosporella herpotrichoides* 441
polymerase chain reaction, variety classification 6537
promoters, techniques 4627
reporter genes, techniques 4627
restriction fragment length polymorphism 395
selectable markers, techniques 4627
Cerebellum
proteins
gene expression
mice 5078
rats 5078
nucleotide sequences, rats 5078
Cereus peruvianus, tissue culture, malate dehydrogenase 1556
Ceruloplasmin
gene mapping
DNA hybridization
pigs 2499
rats 5254
promoters, DNA binding proteins, transcription, rats 3505
Chalcone isomerase
gene expression
Medicago sativa 1818, 5017
Phaseolus vulgaris 1887
nucleotide sequences
Medicago sativa 1818, 5017
Pisum sativum 5706
Zea mays 2358
Chalcone *O*-methyltransferase
gene expression, *Medicago sativa* 1818
Chalcone *O*-methyltransferase *cont.*
nucleotide sequences, *Medicago sativa* 1818
Chamaecyparis formosensis, tissue culture, somatic embryogenesis 6000
Chamaecytisus proliferus, random amplified polymorphic DNA 4706
Chamaemelum nobile
genetic transformation, *Agrobacterium tumefaciens* 467
tissue culture 467
Chaperonins
gene expression
Arabidopsis thaliana 3579
Escherichia coli 347
Nicotiana tabacum 347, 3579
genetic engineering
Arabidopsis thaliana 3579
Escherichia coli 347
genetic transformation, *Nicotiana tabacum* 347, 3579
nucleotide sequences
Arabidopsis thaliana 211
Brassica napus 6259-6260
cattle 690
mice 5054
Chemical treatment, glucocorticoids, receptors, gene expression, cell lines, mice 5182
Chemicals
production
carbon dioxide, utilization, reviews 6090
cellulosic wastes, utilization, reviews 6090
starch, utilization, reviews 6090
Chemiluminescence, DNA hybridization, sensitivity, techniques 5943
Chemistry, bioconjugates, books 4374
Chenopodium rubrum
gene expression
heat shock proteins 5788
light 5788
Chicken anaemia virus, DNA probes, detection 1468
Chile, biotechnology 1099
Chilo suppressalis
genetic transformation
Bacillus thuringiensis, Oryza sativa 603
synthetic genes, *Oryza sativa* 603
Chimaeras
aggregation, embryonic stem cells, tetraploidy, techniques, mice 2604
detection, sex chromosomes, twinning, polymerase chain reaction, cattle 5334
DNA probes, detection, ovaries, mice 4404
embryonic stem cells
gene transfer, diseases, xeroderma pigmentosum, mice 3875
injection, embryos, pigs 6592
embryos
aggregation, cattle 3228
cells, transfer, fowls, reviews 1691
in vitro development, cattle 3228
genes, macular, mice 3687
globins, gene transfer, sickle cell anaemia, mice 5507
gonads, germ cells, injection, embryos, fowls 6159
identification, spermatozoa, polymerase chain reaction, mice 3876
intraspecific, primordial germ cells, transfer, fertility, fowls 978
nuclei, transfer, blastomere, mice 3688
primordial germ cells, fowls 596
production, embryonic stem cells, techniques, mice 2072
sheep
goats
oestrous cycle 2059
pregnancy 2059
pregnancy rate 3683
targeted mutagenesis, embryonic stem cells, breeding, techniques, mice 2606
China, biotechnology 8, 557
Chironomus riparius, transposable elements, nucleotide sequences 1205

Chitin
gene expression
disease resistance, plants, reviews 1373
pest resistance, plants, reviews 1373
molecular genetics
disease resistance, plants, reviews 1373
pest resistance, plants, reviews 1373
Chitin-binding proteins, nucleotide sequences, *Amaranthus caudatus* 92
Chitinase
antisense DNA, *Nicotiana sylvestris* 2848
Cucumis sativus 2836
gene expression
Beta vulgaris 5529
Brassica napus 91
Cucumis sativus 2464
Hordeum vulgare 3892
Nicotiana plumbaginifolia 2464
Nicotiana sylvestris 2848
Nicotiana tabacum 1168, 1899, 2464, 3893, 4431, 6407
Oryza sativa 2370
Phaseolus vulgaris 91, 6407
Pisum sativum 1927
Solanum tuberosum 3467, 3904
Vigna angularis 5655
genetic engineering
Cucumis sativus 2464
Nicotiana tabacum 1899, 2464
Phaseolus vulgaris 91
genetic transformation
Brassica napus 91
Nicotiana plumbaginifolia 2464
Nicotiana sylvestris 1899, 2836, 2848
Nicotiana tabacum 1168, 3893, 3906, 3908, 4432, 6407
Rhizobium meliloti 172
in vitro culture, *Fusarium solani* 3908
molecular genetics, plants 3381
nucleotide sequences
Allium sativum 2352
Beta vulgaris 5529
Cicer arietinum 2967
Lycopersicon esculentum 99
Nicotiana tabacum 4431, 4549
Oryza sativa 2370
Phaseolus vulgaris 6407
Pisum sativum 1927
Solanum tuberosum 3467
Vigna angularis 5655
promoters, *Nicotiana tabacum* 4431
restriction fragment length polymorphism, *Oryza sativa* 2370
Chlamydia, ribosomal RNA, restriction fragment length polymorphism 1143
Chlamydia psittaci
ELISA
detection 2585
pigeons 2583
diagnosis 1492
Chlorates
gene expression, *Arabidopsis thaliana* 3498
nucleotide sequences, *Arabidopsis thaliana* 3498
Chlorella vulgaris, anaerobic digestion, biogas, production 5445
Chloride
channels
gene expression, rats 3934
nucleotide sequences, rats 3934
Chlorophyll
chloroplast genetics
Brassica juncea 5217
Brassica oxyrrhina 5217
Hordeum vulgare 4621
Oryza sativa 5782
Spinacia oleracea 5782
complementation, *Arabidopsis thaliana* 4007
gene expression
Arabidopsis thaliana 4007
Hordeum vulgare 4621
nucleotide sequences
Antirrhinum majus 1809
Arabidopsis thaliana 4007
promoters
Oryza sativa 5782
Spinacia oleracea 5782
Chlorophyll *cont.*
restriction analysis
Oryza sativa 5782
Spinacia oleracea 5782
Chlorophyll *a/b* binding protein
cell culture, *Brassica napus* 297
DNA hybridization, *Triticum aestivum* 6546
gene expression
Arabidopsis thaliana 5221, 6334, 6375
Brassica napus 297
Ginkgo biloba 2435
Gossypium hirsutum 843
Hordeum vulgare 1876
Petunia hybrida 4071
Pinus thunbergii 4025
Triticum aestivum 4658
gene mapping, *Triticum aestivum* 6546
genetic transformation, *Petunia hybrida* 4071
molecular genetics, plants 5799
nucleotide sequences
Amaranthus hypochondriacus 6326
Arabidopsis thaliana 5129, 6334
Ginkgo biloba 2435
Glycine max 5693
Pinus contorta 4529
Pinus thunbergii 4025
Pisum sativum 5102
Zea mays 2966
promoters, *Arabidopsis thaliana* 5221
protoplasts, *Brassica napus* 297
restriction fragment length polymorphism, *Triticum aestivum* 6546
Chloroplast genetics
Actinidia 5884
adenosinetriphosphatase
Cucurbita pepo 2176
Nicotiana tabacum 6395
Spinacia oleracea 6380
chlorophyll
Brassica juncea 5217
Brassica oxyrrhina 5217
Hordeum vulgare 4621
Oryza sativa 5782
Spinacia oleracea 5782
chlorosis
Brassica juncea 5217
Brassica oxyrrhina 5217
DNA binding proteins
Nicotiana tabacum 4633
Oryza sativa 5782
Spinacia oleracea 5782
DNA fingerprinting, *Eucalyptus* 4703
DNA replication 299
Glycine max 1895
evolution
Crassulaceae 4711
Eccoilopus 4189
Erianthus 4189
Eucalyptus 1445
Gramineae 735
Lens 4182
Manihot 1972
Miscanthus 4189
Narenga 4189
plants 6412
Prunus, cherries 1991
Quercus petraea 4537
Quercus robur 4537
Saccharum 4189
Saxifragaceae 4711
Sclerostachya 4189
Vicia 5918
Vicia faba 5918
gene expression 1364
Hordeum vulgare 1335
Oryza sativa 853, 6363
reviews 1926
Secale cereale 302
Spinacia oleracea 1347
gene mapping
Nicotiana tabacum 218
reviews 1926
glycerol-3-phosphate acyltransferase, *Pisum sativum* 5205
heat shock, *Cucurbita pepo* 2176
hydroxymethylbilane synthase, *Pisum sativum* 1931
Chloroplast genetics *cont.*
interspecific hybridization
Iris brevicaulis 5886
Iris fulva 5886
Iris hexagona 5886
leaves, *Hordeum vulgare* 5773
light
Hordeum vulgare 6365, 6397
Triticum aestivum 6433
Lobelia 1987
Lycopersicon esculentum 29
Lycopersicon peruvianum 29
malate dehydrogenase ($NADP^+$), *Mesembryanthemum crystallinum* 4533
mathematics, plants 3994
neomycin phosphotransferase, *Nicotiana tabacum* 2211
nucleotide sequences
Nicotiana tabacum 216, 218
Oenothera berteriana 1275
Oenothera odorata 1275
Oryza sativa 216
Pelargonium hortorum 3475
Pinus thunbergii 216
Solanum nigrum 4009
photosynthesis
Cucurbita pepo 2176
plants 2426
photosystem II
Hordeum vulgare 6365, 6396-6397
Mesembryanthemum crystallinum 6266
Triticum aestivum 6433
Pisum sativum 3631
plants 6367
polymerase chain reaction
Iris fulva 1431
Iris hexagona 1431
promoters, *Oryza sativa* 6363
protoplast fusion
Glycine max 28
Lotus corniculatus 28
Lycopersicon esculentum 2218
Lycopersicon peruvianum 2218
Medicago sativa 28
Nicotiana plumbaginifolia 2218
Nicotiana tabacum 2218
Oryza sativa 28
pseudogenes, *Helianthus annuus* 1794
recombination
Brassica juncea 5217
Brassica oxyrrhina 5217
restriction fragment length polymorphism
Aegilops longissima 4728
Citrus 5933
Dasypyrum villosum 4728
Eucalyptus 4703
Fortunella 5933
Glycine max 4178
Hordeum vulgare 4728
Iris fulva 1431
Iris hexagona 1431
Magnolia 4730
Musa acuminata 3082
Nicotiana glutinosa 4960
Nicotiana tabacum 4960
Picea abies 399
Picea glauca 399
Picea mariana 399
Picea sitchensis 399
Pinus 5929
Pinus banksiana 5888
Pinus contorta 5888
Poncirus 5933
Triticum aestivum 4728
Triticum durum 4728
restriction mapping, Leguminosae 382
ribosomal RNA, *Nicotiana plumbaginifolia* 1263, 6442
ribosomes
Hordeum vulgare 5773
plants 868
Spinacia oleracea 2478
ribulose-bisphosphate carboxylase
angiosperms 1795, 1826
Asteridae 1824
Castanea sativa 1800
Compositae 1821
Cornus 1840
Cucurbita pepo 2176
Cupressaceae 4540

Chloroplast genetics *cont.*
ribulose-bisphosphate carboxylase *cont.*
Empetraceae 1813
Epacridaceae 1813
Ericaceae 1813
fatty oil plants 1828
Geraniaceae 1825
Hevea brasiliensis 2355
Hordeum vulgare 6397
monocotyledons 1798
Onagraceae 1796
Saxifragaceae 1823
Zingiberales 1834
RNA
alternative splicing
cytochromes, *Zea mays* 6355
photosystem I, *Zea mays* 6355
ribosomal DNA, *Nicotiana tabacum* 5238
RNA binding proteins, *Pisum sativum* 2454
RNA editing, crops 5816
RNA polymerase
Gramineae 3474
Oryza sativa 5237
Zea mays 5237
Solanum tuberosum 1433
splicing, *Spinacia oleracea* 1347
streptomycin, *Nicotiana plumbaginifolia* 6442
streptomycin resistance, *Nicotiana plumbaginifolia* 1263
taxonomy
angiosperms 1795, 1826
Asteridae 1824
Catabrosa aquatica 5883
Compositae 1821
Cornus 1840
Cruciferae 5930
Cupressaceae 4540
Cyphomandra 2550
Dioscorea cayenensis 935
Dioscorea rotundata 935
Disa 5302
Empetraceae 1813
Epacridaceae 1813
Ericaceae 1813
Eucalyptus 1445
fatty oil plants 1828
Geraniaceae 1825
grasses 4734
Lycopersicon 2550
monocotyledons 1798
Nesphostylis 6547
Onagraceae 1796
Phaseolus 3647
Phippsia algida 5883
Prunus, cherries 1991
Puccinellia 5883
Saxifragaceae 1823
Sclerochloa dura 5883
Sesleria insularis 5883
Solanum 2550
Sphenostylis 6547
Zingiberales 1834
techniques, *Daucus carota* 6585
transfer RNA
Helianthus annuus 1794, 6255
Phaseolus vulgaris 6252
Pinus thunbergii 6320
plants, reviews 1355
Quercus petraea 4537
Quercus robur 4537
triose-phosphate translocator
Flaveria pringlei 2940
Flaveria trinervia 2940
Zea mays 2940
Zea mays 4087, 5919

Chloroplasts
DNA binding proteins, *Pisum sativum* 4644
gene expression
Arabidopsis thaliana 5652
Oryza sativa 3557
plants 2449
Sorghum bicolor 1360
Zea mays 850, 1360
genetic transformation, plants 2449
nucleotide sequences, *Brassica napus* 5658
RNA editing, *Zea mays* 850

Chlorosis
chloroplast genetics
Brassica juncea 5217
Brassica oxyrrhina 5217
gene expression, *Hordeum vulgare* 4099
in vitro selection, *Vitis* 2174
nucleotide sequences, *Hordeum vulgare* 4099

Chlorsulfuron
genetic transformation, *Nicotiana tabacum* 138
in vitro selection
Brassica napus 2271
Nicotiana tabacum 2298

Cholecystokinin, immunization, body weight, sex differences, pigs 1604

Cholesterol, cholesterol 7α-monooxygenase, transcription, enhancers, mice 4057

Cholesterol 7α-hydroxylase, restriction fragment length polymorphism, pigs 4666

Cholesterol 7α-monooxygenase
nucleotide sequences, rats 2991
promoters, liver cells, rats 2991
transcription
enhancers
bile acids, mice 4057
cholesterol, mice 4057
rats 4057
transgenics, liver, mice 4057

Cholesteryl esters
transfer proteins
gene transfer, lipoproteins, receptors, mice 2226
transgenics, mice 2233

Chondrocytes, collagen, transcription, fowls 836

Chondroitin sulfate, cartilage, nucleotide sequences, fowls 2329

Choriomammotropin
carcass composition, sheep 2686
fattening performance, sheep 2686
promoters, gene expression, trophoblast, cell lines 822
somatotropin, pituitary, transgenics, mice 6705

Chorismate synthase
gene expression, *Lycopersicon esculentum* 1804, 5797
nucleotide sequences, *Lycopersicon esculentum* 1804

Chromatin
gene dosage, *Nicotiana tabacum* 4630
gene expression, *Nicotiana tabacum* 4630
genetic transformation, *Nicotiana tabacum* 4630
high mobility group proteins
gene expression, embryos, mice 4589
gene mapping, restriction fragment length polymorphism, mice 4589
nucleotide sequences, mice 4589
nucleosomes, assembly, globins, promoters, fowls 5166
structure
cytokeratin, embryonic development, mice 808
globins
transcription
promoters
cell lines 770
fowls 770
transcription, activation, DNA binding proteins, reviews 5243
tissue culture, crops 4287

Chromatography, books 4372

Chromosome aberrations
chromosome maps, chromosome banding, mice 6453
tissue culture
Larix decidua 4874
Solanum tuberosum 6639
triticale 1586
Triticum aestivum 1586

Chromosome addition
DNA hybridization
Elymus farctus 6439
Triticum 6439

Chromosome banding
chromosome maps, chromosome aberrations, mice 6453

Chromosome banding *cont.*
restriction endonucleases, fishes 5259
species, comparisons, gene mapping 3060

Chromosome mapping
centromeres, DNA probes, mice 6476
lactic acid bacteria, reviews 5560
protein-tyrosine-phosphatase, mice 5867

Chromosome maps
chromosome banding, chromosome aberrations, mice 6453
DNA probes, mice 1941, 3610
genomes, imprinting, mice 2493, 6454
linkage, mice 2510, 2523
mice 6480-6481
microsatellites, polymerase chain reaction, pigs 6504
pigs 2491

Chromosome morphology
plants, books 4914
RNA polymerase 5784
techniques
plants 1462
Vicia faba 1462

Chromosome number
in vitro selection, *Allium sativum* 2880
protoplast fusion
Brassica napus, rape 2796
Raphanus sativus 2796
somaclonal variation, *Allium sativum* 2880

Chromosome pairing
anther culture, *Nicotiana tabacum* 4109
DNA hybridization
Elymus farctus 1901
Triticum durum 1901

Chromosome substitution
anther culture
Secale cereale 1066
Triticum aestivum 1066

Chromosome translocation
anther culture, *Triticum aestivum* 2139
antibodies
Secale cereale 957
Triticum aestivum 957
cloning, polymerase chain reaction, techniques 1452
detection, DNA hybridization, fluorescence 4756
DNA libraries, gene mapping, cattle 6495
embryos, *in vitro* development, cattle 4790
random amplified polymorphic DNA
Elymus hispidus 398
Triticum aestivum 398
techniques, flow cytometry, sheep 1047

Chromosome transmission, anther culture, *Oryza sativa* 517

Chromosome walking
genome analysis, techniques 3111
polymerase chain reaction, single specific primer, techniques 5347

Chromosomes
cloning, mammals, books 6753
cytology 6750
detection, DNA probes, mice 3048
dissection
DNA libraries
construction, gene mapping, cattle 6495
mammals 179
DNA, integration, genome analysis, transgenics, mice 1127
DNA hybridization
repetitive DNA
cattle 3615
sheep 3615
DNA libraries
construction, *Plasmodium chabaudi* 68
flow cytometry, mice 3610
DNA probes, flow cytometry, rats 4208
flow cytometry, *Lycopersicon pennellii* 4153
gene mapping
DNA hybridization, rats 1965
restriction fragment length polymorphism, rats 1965
genes, pili, gene mapping, *Escherichia coli* 56
molecular genetics 6750

Chromosomes *cont.*
nucleolus organizer, gene mapping, cell fusion, sheep 3585
polymerase chain reaction, *Vicia faba* 4755
restriction fragment length polymorphism, *Lycopersicon pennellii* 4153
satellite DNA, gene mapping, mice 3051
separation, techniques, pulsed field electrophoresis, *Giardia duodenalis* 5521
sex diagnosis
embryos
cattle 4783
mice 4783
polymerase chain reaction, marker genes, techniques 5250
sister chromatid exchange, embryos, oocytes, freezing, mice 2662
structure, repetitive DNA, fowls 2338
telomeres, repetitive DNA, DNA hybridization, fowls 1956
transfer, cell fusion, microcell hybrids, mammals, reviews 3655
ultrastructure, *in vitro* fertilization, oocytes, pigs 4865
Y, DNA probes, restriction fragment length polymorphism, cattle 4662
Chymotrypsin inhibitors
DNA binding proteins, *Psophocarpus tetragonolobus* 3554
genetic transformation, *Nicotiana tabacum* 4434
nucleotide sequences, *Psophocarpus tetragonolobus* 3554
Cicer arietinum
antibodies, ribonucleoproteins 848
gene expression
Ascochyta rabiei 4022
cysteine proteinases 5630
ethylene 5630
germination 5630
NADPH:isoflavone oxidoreductase 4022
seeds 2433
spermine 2433
genetic transformation, *Agrobacterium tumefaciens* 1109, 6144
molecular genetics 4923
nucleotide sequences
Ascochyta rabiei 4022
chitinase 2967
cysteine proteinases 5630
NADPH:isoflavone oxidoreductase 4022
polymerase chain reaction, cysteine proteinases 5630
tissue culture 1561
regeneration 6614
somatic embryogenesis 1022, 6003
Cichorium
mitochondrial genetics, taxonomy 5928
restriction fragment length polymorphism, taxonomy 5928
tissue culture, somatic embryogenesis 1545
Cichorium intybus
cryopreservation 6033
protoplast fusion
intergeneric hybridization 3320
mitochondrial genetics 3320
tissue culture, somatic embryogenesis 2112, 3702
Ciliary neurotrophic factor
gene mapping, mice 4677
targeted mutagenesis, embryonic stem cells, neurons, degeneration, mice 1744
Cinchona robusta, cell culture, strictosidine synthase 4482
Cinnamate 4-hydroxylase, nucleotide sequences, *Vigna radiata* 1274
Cinnamyl-alcohol dehydrogenase
gene expression, *Picea abies* 1255
nucleotide sequences
Eucalyptus botryoides 5108
Eucalyptus gunnii 4538
Picea abies 1255
Circadian rhythm
DNA binding proteins, *Lycopersicon esculentum* 846
Circadian rhythm *cont.*
gene expression
Arabidopsis thaliana 4604
Hordeum vulgare 1876, 3021
Lycopersicon esculentum 846
Pharbitis nil 1932
Sinapis alba 5107
gene mapping, mice 4694
nucleotide sequences
mice 4694
Pharbitis nil 1932
promoters, *Lycopersicon esculentum* 846
Circulifer tenellus, DNA hybridization, mycoplasma-like organisms, *Lycopersicon esculentum* 3373
Citropsis gabunensis
protoplast fusion
intergeneric hybridization 6155
somatic embryogenesis 6155
Citrullinaemia
argininosuccinate synthase, targeted mutagenesis, mice 6164
diagnosis, embryos, cattle 1482
Citrullus lanatus
cell culture
bryonolic acid 4447
triterpenoids 4447
complementation, cysteine synthase 5673
ELISA, watermelon mosaic 2 potyvirus 431
genetic transformation, *Agrobacterium tumefaciens* 4944
nucleotide sequences, cysteine synthase 5673
random amplified polymorphic DNA 5892
tissue culture 464
Citrus
biotechnology 3840
cell culture, cryopreservation 6622
nucleotide sequences
bacteria 133
citrus greening 133
protoplast fusion 26, 2217
random amplified polymorphic DNA 3640
restriction fragment length polymorphism 3640
chloroplast genetics 5933
techniques 2561
tissue culture
cryopreservation 6622
somatic embryogenesis 2113, 5994
Citrus aurantiifolia
interspecific hybridization 6648
protoplast fusion 6648
somatic embryogenesis 6648
Citrus exocortis viroid
gene expression, *Lycopersicon esculentum* 4436, 4984
nucleotide sequences, *Lycopersicon esculentum* 4436, 4984
Citrus greening, nucleotide sequences, *Citrus* 133
Citrus limon
interspecific hybridization 6648
protoplast fusion 6648
somatic embryogenesis 6648
Citrus reticulata
protoplast fusion
intergeneric hybridization 6155
somatic embryogenesis 6155
tissue culture 6627
Citrus sinensis
embryo culture, gamma radiation 2670
ovule culture, gamma radiation 2670
protoplast fusion 26, 1688
protoplasts 1018
tissue culture 1018, 6627
cryopreservation 1011
somatic embryogenesis 1011
Citrus sudachi
interspecific hybridization 6648
protoplast fusion 6648
somatic embryogenesis 6648
Clarkia lewisii, nucleotide sequences, glucose-6-phosphate isomerase 1836
Class switching, lymphocyte antigens, B lymphocytes, mice 2806
Clavibacter michiganensis
molecular genetics, *Solanum* 6178
Clavibacter michiganensis *cont.*
somaclonal variation, *Lycopersicon esculentum* 2297
Clavibacter xyli **subsp. *xyli,*** immunological techniques, *Saccharum officinarum* 445
Cleft palate, gene mapping, restriction fragment length polymorphism, mice 3057
Clivia miniata
gene expression, lectins 5101
nucleotide sequences, lectins 5101
Cloning
alcohol dehydrogenase
Lycopersicon esculentum 1290
Petunia hybrida, Zea mays 1617
α-amylase, *Zea mays* 4010
Arabidopsis thaliana 1807
ascorbate peroxidase, plants, reviews 5633
Baculoviridae, crustacea, *Penaeus monodon* 71
Brassica napus 1276
breeding season, gynogenesis, fishes 1075
carotenoids, marker genes, vectors 5335
catalase, *Oryza sativa* 2950
chromosomes, mammals, books 6753
cold resistance, *Triticum aestivum* 5675
deletions, screening, polymerase chain reaction, techniques 3099
development, *Oryza sativa* 6349
disease resistance, *Nicotiana tabacum* 1159
DNA binding proteins, cauliflower mosaic caulimovirus 121
DNA libraries
screening
reviews 3663
techniques 3663
DNA sequencing, techniques 3134
embryos, cattle, reviews 1530
flowering
Arabidopsis thaliana, genetics, flowering 1351
Oryza sativa 6349
Pisum sativum, genetics, flowering 1351
Triticum aestivum, genetics, flowering 1351
Fulvia fulva, Lycopersicon esculentum 3914
Geminivirus 410
gene expression, vectors, antisense DNA, selectable markers, cell lines 4741
gene mapping, techniques 3134
genes
imprinting, techniques, mice 5147
techniques, mammals, cells 3665
gibberellic acid, *Zea mays* 5094
glucose transporter, pigs 5569
glutathione reductase, plants, reviews 5633
grapevine fanleaf nepovirus 1726
heat shock proteins
Oryza sativa 5702
Pisum sativum 4352
hydrogenase, *Rhizobium* 5562
hypoxia, *Petunia hybrida, Zea mays* 1617
introns, *Solanum tuberosum* 2947
LHRH, receptors, pigs 5618
maturase, *Solanum tuberosum* 2947
metallothionein, *Caenorhabditis elegans* 104
minisatellites, *Lycopersicon esculentum* 1429
nodulation
Alnus glutinosa 320
Vicia faba 327
pathogenesis-related proteins, *Nicotiana tabacum* 1159
peptides, transporter, rabbits 5038
phytoene synthase, *Zea mays* 5629
plant embryos, *Arabidopsis thaliana* 5127
plants 925
polymerase chain reaction
chromosome translocation, techniques 1452
techniques 2026, 2034, 5318
promoters, plants 1322
Pseudomonas syringae
Arabidopsis thaliana 1164

Cloning *cont.*
Pseudomonas syringae cont.
Lycopersicon esculentum 2262
repetitive DNA
Amaranthus cruentus 4105
Rumex acetosa 4560
restriction fragment length polymorphism, gene mapping, algorithms 5956
selection, suppressor elements, marker genes, techniques 5328
sex, *Rumex acetosa* 4560
somatotropin, fishes, gene expression, bacteria 6079
stress
Oryza sativa 5702
plants, reviews 5633
targeted mutagenesis, embryonic stem cells, techniques 2295
techniques 1644, 3129
books 2563
mammals, books 6753
plants 1291, 1463, 2035
RNA 800
toxins, *Bacillus thuringiensis* var. *israelensis* 2692
transfer RNA, *Solanum tuberosum* 2947
urea, transporters, rabbits 2926
Closterovirus group, molecular genetics, reviews 3357
Clostridium thermocellum, cellulose, biodegradation, cellulase 5870
Clusia, random amplified polymorphic DNA, taxonomy 1974
Clusterin
gene expression, embryos, mice 2892
nucleotide sequences, mice 2892
Cnaphalocrocis medinalis
genetic transformation
Bacillus thuringiensis, Oryza sativa 603
synthetic genes, *Oryza sativa* 603
Co-suppression
antisense DNA, *Dendranthema grandiflora* 4417
colour, *Dendranthema grandiflora* 4417
flowers, *Dendranthema grandiflora* 4417
gene expression, *Petunia hybrida* 2427
genetic engineering, *Petunia hybrida* 2427
multiple genes, plants, reviews 6370
naringenin-chalcone synthase, *Dendranthema grandiflora* 4417
nitrate reductase, *Nicotiana tabacum* 5775
Coal
liquifaction, bioreactors, fluidized beds, hydrodynamics 6085
sulfur, removal, microorganisms, bioreactors, coal mine spoil 6084
Coat, abnormalities, oncogenes, gene expression, transgenics, mice 589
Coat colour
agouti, regulation, genes, exons, mice 6348
piebald, gene mapping, mice 6484
Coat proteins
fruit crops, genetic engineering, viruses 3899
gene expression
plum pox potyvirus
Nicotiana benthamiana 2846
Nicotiana clevelandii 2846
Prunus armeniaca 2846
tobacco etch potyvirus, *Nicotiana tabacum* 2263
tomato bushy stunt tombusvirus 126
zucchini yellow mosaic potyvirus
Cucumis melo 101
Nicotiana tabacum 101
genetic engineering
tobacco etch potyvirus, *Nicotiana tabacum* 5533
tobacco mosaic tobamovirus, *Nicotiana tabacum* 2834
tomato bushy stunt tombusvirus 126
viruses, crops 3910
genetic transformation
bean yellow mosaic potyvirus, *Nicotiana benthamiana* 2259
Coat proteins *cont.*
genetic transformation *cont.*
cauliflower mosaic caulimovirus, *Brassica napus* 1714
cowpea chlorotic mottle bromovirus, *Nicotiana benthamiana* 3363
grapevine chrome mosaic nepovirus, *Nicotiana tabacum* 2837
grapevine fanleaf nepovirus, *Nicotiana benthamiana* 4980
maize chlorotic mottle machlovirus, *Zea mays* 3370
maize dwarf mosaic potyvirus, *Zea mays* 3370
plum pox potyvirus
Nicotiana 1725
Nicotiana benthamiana 116, 2846
Nicotiana clevelandii 2846
Prunus armeniaca 2846
potato leaf roll luteovirus, *Nicotiana tabacum* 2833
potato Y potyvirus
Nicotiana 1725
Nicotiana tabacum 102
sugarcane mosaic potyvirus, *Saccharum officinarum* 3375
tobacco etch potyvirus, *Nicotiana tabacum* 2263
tobacco mosaic tobamovirus, *Nicotiana tabacum* 124
tomato yellow leaf curl bigeminivirus
Lycopersicon esculentum 6188
Lycopersicon pennellii 6188
viruses
plants 90, 606, 3376, 6728
Saccharum officinarum 3358
Vitis vinifera 1708
zucchini yellow mosaic potyvirus
Cucumis melo 101
Nicotiana benthamiana 116
Nicotiana tabacum 101
X ray diffraction, tobacco mosaic satellite virus 115
Cocaine, tissue culture, *Erythroxylum coca* 2280
Coccidioides immitis, antigenic determinants, nucleotide sequences 4422
Coccidiosis, vaccines, technical progress, reviews 145
Cochliobolus carbonum
gene expression, *Zea mays* 4987
gene tagging, *Zea mays* 6536
genetic transformation, *Zea mays* 4987
polymerase chain reaction 1511
Cochliobolus heterostrophus
nucleotide sequences, mating types 131
restriction fragment length polymorphism, *Zea mays* 5923
Cocos nucifera
embryo culture 1573, 2613
tissue culture
India 2099
somatic embryogenesis 3218
Coffea
random amplified polymorphic DNA 5300
taxonomy 1437
Coffea arabica
bioreactors 1607
cell culture 1607
protoplasts 4259
somatic embryogenesis 6029
tissue culture 4264
cold resistance 477
somatic embryogenesis 3729, 4286
Coffea canephora
tissue culture
cold resistance 477
techniques 6015
Coix lacryma-jobi
gene expression
α-coixin 4117
DNA binding proteins 4117
promoters
α-coixin 4117
DNA binding proteins 4117
tissue culture
regeneration 3722
somatic embryogenesis 3722
α-Coixin
gene expression
Coix lacryma-jobi 4117
Nicotiana tabacum 4117
Zea mays 4117
genetic transformation, *Nicotiana tabacum* 4117
promoters
Coix lacryma-jobi 4117
Zea mays 4117
Colchicine
anther culture
Brassica napus 6685
Oryza sativa 6051
Triticum aestivum 6687, 6689
haploidy, *Triticum aestivum* 6687
induced mutations, *Brassica napus* 6685
ovule culture, *Beta vulgaris* 6683
Cold
cell culture, *Daucus carota* 3735
gene expression
Arabidopsis thaliana 2485, 4604, 5092
Brassica napus 3494
Hordeum vulgare 1805, 6101
nucleotide sequences
Arabidopsis thaliana 2485, 5092
Brassica napus 3494
Hordeum vulgare 1805
promoters, *Arabidopsis thaliana* 5092
Cold resistance
cloning, *Triticum aestivum* 5675
gene expression
Arabidopsis thaliana 3790, 4906, 6712
Bromus inermis 6715
Hordeum vulgare 3791
Medicago sativa 1080, 1616, 5098, 6099
Nicotiana tabacum 1613, 6280
Solanum tuberosum 5446
Triticum aestivum 1245, 5675
Zea mays 3793, 6709
genetic engineering, *Arabidopsis thaliana* 3790
genetic transformation
Medicago sativa 4357
Nicotiana tabacum 1613, 6280
in vitro selection
Beta vulgaris 5447
Lolium perenne 6713
Vitis 5011
nucleotide sequences
Arabidopsis thaliana 5128
Medicago falcata 2969
Medicago sativa 1080, 5098
Triticum aestivum 1245
promoters, *Arabidopsis thaliana* 3790
protoplast fusion
Solanum commersonii 4400
Solanum tuberosum 4400
restriction analysis, *Triticum aestivum* 5675
tissue culture
Coffea arabica 477
Coffea canephora 477
Rubus 2180
Cold shock
triploidy
induction
body weight, fishes 4859
gonads, development, fishes 4859
Coleus blumei
cell culture
rosmarinic acid 149
rosmarinic acid synthase 148
tissue culture 2614
Coleus forskohlii, tissue culture, forskolin 4461
Collagen
gene expression, mice 5070
mutations, skeleton, abnormalities, transgenics, mice 1693
nucleotide sequences
dogs 5089
fowls 680, 1232
mice 3958, 5070
promoters
DNA binding proteins, mice 3518
gene expression
mice 3958

Collagen *cont.*
promoters *cont.*
gene expression *cont.*
skull
transgenics
c-AMP, mice 37
parathyrin, mice 37
transgenics, cell lines, mice 5740
RNA, alternative splicing, fowls 1232
transcription, chondrocytes, fowls 836
Colletotrichum graminicola, random amplified polymorphic DNA 4156
Colletotrichum lindemuthianum
gene expression, *Phaseolus vulgaris* 873, 3580, 6175
random amplified polymorphic DNA, *Phaseolus vulgaris* 4152
restriction fragment length polymorphism, *Phaseolus vulgaris* 4152
RNA binding proteins, *Phaseolus vulgaris* 3580
Colletotrichum orbiculare, gene expression, *Cucumis sativus* 2851
Colon
potassium
channels
gene expression, smooth muscle, dogs 5045
nucleotide sequences, smooth muscle, dogs 5045
Colony stimulating factor
granulocytes
nucleotide sequences, rats 2920
promoters, gene expression, mice 5169
macrophages
nucleotide sequences, rats 2920
promoters, gene expression, mice 5169
muscles, nucleotide sequences, rats 4501
Colour
co-suppression, *Dendranthema grandiflora* 4417
gene expression
Antirrhinum 1907
Antirrhinum majus 2457
Petunia 1907
Petunia hybrida 2944
Zea mays 1916
gene tagging
Antirrhinum majus 6299
Arabidopsis thaliana 5905
genes, melanotropins, receptors, molecular genetics, mice 818
genetic engineering
ornamental herbaceous plants 6169
Petunia hybrida 600, 4617
plants 600, 5518
Rosa 6169
genetic transformation, *Dendranthema grandiflora* 4417
insertional mutagenesis, *Arabidopsis thaliana* 5905
molecular genetics
plants 1356
Rosa 4617
Zea mays 1916
mutations, *Antirrhinum majus* 6299
nucleotide sequences
Antirrhinum majus 6299
Petunia hybrida 2944
restriction fragment length polymorphism, *Petunia hybrida* 2944
transposable elements, *Antirrhinum majus* 2457
Combining ability 6054
tissue culture, *Zea mays* 6001
Combustion, poultry manure, economics, environment 2698
Commelina communis, gene expression, light 308
Commelinaceae
nucleotide sequences
ribulose-bisphosphate carboxylase 3993
taxonomy 3993
Commercialization, genetic engineering, government research 3271
Commiphora wightii, tissue culture, regeneration 4810
Companies
biotechnology
Developing Countries 6718
Latin America 2181
USA 3299, 6720
economics, research policy, USA 2182
genetic engineering
Glycine max 3300
Gossypium hirsutum 3300
Rhizobium 3300
USA 4382
Rhône-Poulenc, biotechnology 4920
Complement
gene mapping, DNA hybridization, pigs 6462
molecular genetics
laboratory mammals, conferences 3826
livestock, conferences 3826
RNA, alternative splicing, mice 1871
Complementation
chlorophyll, *Arabidopsis thaliana* 4007
cysteine synthase, *Citrullus lanatus* 5673
endoplasmic reticulum retention receptor, *Arabidopsis thaliana* 2952
glutamate 1-semialdehyde 2,1-aminomutase, *Arabidopsis thaliana* 4007
glutamine tRNA reductase, *Arabidopsis thaliana* 4007
Compositae
chloroplast genetics
ribulose-bisphosphate carboxylase 1821
taxonomy 1821
nucleotide sequences
ribulose-bisphosphate carboxylase 1821
taxonomy 1821
Composting
animal wastes, USA 2716
municipal solid wastes, bioreactors 3786
pig manure 2708
poultry manure 2706
economics, environment 2698
refuse, bioreactors 3786
straw
nitrogen 2699
pig slurry, ammonia, reduction 2700
Computer analysis
gene sequencing, databases 237
β-glucuronidase
Nicotiana 6578
Rubus 6578
Computer programming, nucleotide sequences 1811
Computer programs, RNA editing 4221
Computer simulation
DNA, electrophoresis 4202
DNA sequencing, oligonucleotides, primers 4737
linkage, quantitative traits, restriction fragment length polymorphism 6473
protoplast fusion 2795
Computer software
amino acid sequences, comparisons, interpretation 4738
cell fusion, gene mapping 5955
DNA hybridization, gene mapping 5955
DNA sequencing, pulsed field electrophoresis, image processors, techniques 4753
gene mapping 403, 6557
gene sequencing, repetitive DNA 238
molecular genetics 1460
nucleotide sequences 6751-6752
analysis 239
comparisons 2973
algorithms 2972, 2975
interpretation 4738
databases 240, 5326
reviews 6335
functional regions, identification 2974
Oryza sativa 5949
patterns, detection, algorithms 2976
polymerase chain reaction, primers, selection, viruses 4742
pulsed field electrophoresis 5945
restriction fragment length polymorphism 403
Computers, gene mapping, books 4377
Conception rate
melatonin, goats 532
oestrus
induction
cattle 5424
goats 4327
synchronization, goats 4328
Conferences
11th International Chromosome Conference 3029, 3083-3084, 4914
41st Annual congress on medicinal plant research 6113
Advances in mushroom biotechnology 4913
American Society for Horticultural Science 554
American Society for Horticultural Science, Southern region annual meeting 1092
Australia
Australian Society for Biochemistry and Molecular Biology 1634
International Embryo Transfer Society 2603, 3159-3163, 3165, 3234, 3237, 3241, 3285
Australian Society of Sugar Cane Technologists 3310, 3358, 3369, 3823
Biodiversity and wheat improvement 4726
biosafety
genetic engineering
aquaculture 6738
crustacea 6738
fishes 6738
foods 6738
shellfish 6738
transgenics, fishes 5454
biotechnology
Developing Countries 6739
economics 6739
medicinal plants 6113
policy 6739
Biotechnology and genetic resistance in fruit crops 1668, 1679, 1687, 1699, 1710, 1720, 1879, 1991, 2076, 2103, 2105, 2137, 2175, 2178, 2191
Biotechnology: friend or foe? 1091
Biotechnology in agriculture 1, 6, 8, 10, 13, 24-25, 28, 51, 88, 90, 103, 108, 114, 119, 127, 160, 162, 209, 216, 232, 282, 284, 289, 307, 309, 312, 324, 349, 354, 383, 385, 387, 390, 393, 398, 400-403, 461-463, 479, 513, 517-518, 534, 556, 577, 1008, 1028, 1031, 1033-1037, 1040, 1062-1064, 1066, 1093, 1586, 2277, 2281, 2628, 2640, 2658
Biotechnology R&D trends — science policy for development 6119, 6721-6722, 6724-6725, 6739
Canada
Microbial biotechnology 3287
VII World Conference on Animal Production 2166-2167
Cellular and molecular aspects of the plant hormone ethylene 4620, 4632
Engineering plants against pests and pathogens 2834-2836, 2838, 2841-2845, 2847-2848, 2850-2851, 2855, 3020, 3097, 3286
Europe, European Society for Animal Cell Technology 5459
Focused plant improvement 1658, 1669, 1698, 1755, 1968, 1988-1989, 2000, 2002, 2012, 2110, 2136, 2142, 2185-2186, 2190
food safety, transgenics, fishes 5454
France, COGENE Symposium 6737
genetic engineering 3823
fatty acids, oilseed plants 4419
horticultural crops 554
Hungary
Oilseed technology and utilization
enzyme preparations 6081
feed additives 6081
probiotics 6081
International symposium on *in vitro* culture and horticultural breeding 2200, 2212, 2216-2217, 2243-2244, 2259-2260, 2269-2270, 2297, 2299-2309, 2350, 2486, 2540, 2611,

Conferences *cont.*
International symposium on *in vitro* culture and horticultural *cont.* 2617-2619, 2624, 2629, 2631, 2641, 2650, 2652-2653, 2655-2657, 2660-2661, 2732, 2735, 2799, 2846
International Triticeae Mapping Initiative 4165-4166, 4170, 4177, 4188, 4368, 5261-5264, 5266, 5276, 5278-5279, 5281-5282, 5287-5291, 5293, 5297-5298, 5304-5305, 5307-5308, 5316
Italy
Cell Culture 3825
Scientific Association of Animal Production 896, 911-912
Japan
Dairy Farming in Asia 3167
International Complement Workshop 3826
World Congress on *In vitro* Fertilization and Alternate Assisted Reproduction 4912
Mechanisms of plant defense responses 3891, 3893, 3897-3898, 3902-3906, 3908, 3911, 3914, 3998, 4002, 4005, 4008, 4021-4022, 4073, 4108, 4112, 4152, 4159, 4186, 4353, 4367
molecular genetics
animals 3288
plants 3288
Molecular plant-microbe interactions 1105-1106, 1108, 1111-1112, 1116-1117, 1159, 1164-1165, 1167-1172, 1175-1176, 1178, 1180-1182, 1185, 1332, 1599, 1635
Netherlands, Nitrogen flow in pig production and environmental consequences 5437
New horizons in nitrogen fixation 167, 170-171, 173-174, 204, 227, 320
Norway, Aquatic biotechnology and food safety 6738
Physiology of varieties 3551, 3564
Phytochemistry and agriculture 5518, 5540, 5544-5545, 6112
Portugal, 5th International Symposium on Animal Reproduction 3679-3681, 3684-3685, 3767
Second symposium on raw materials 3345, 3350, 3759, 3824
Sweden, Symposium on regulation of embryonic growth mechanisms in mammals 553
Switzerland
1st Pig Gene Mapping Workshop 2491
Swiss Societies for Experimental Biology 3288
UK
How to patent life 5451
Mammalian genetics and development workshop 1636
USA
American Society of Animal Science, Western Section 3249
Molecular Parasitology 6172
Conglutinin
gene expression, cattle 3457
gene mapping, DNA hybridization, cattle 3056
nucleotide sequences, cattle 1219, 3457
β-Conglycinin
gene expression
Glycine max 3552, 5226
Nicotiana tabacum 3552, 5793
genetic engineering, *Glycine max* 3552, 5793
genetic transformation
Arabidopsis thaliana 5226
Nicotiana tabacum 3552, 5793
promoters
Glycine max 3552
Nicotiana tabacum 3552
Coniferin
protoplasts
Pinus banksiana 483
Pinus strobus 483
Conifers
gene mapping, restriction fragment length polymorphism 6507
Conifers *cont.*
in vitro culture
artificial seeds 2075
somatic embryogenesis 2075
Connexin
gene expression
cell lines 3004
mice 3004
nucleotide sequences, mice 3004
Conservation
genetic resources
aquaculture 4379
livestock 4380
Copper
tissue culture
Brassica napus 2651
Nicotiana tabacum 2651
triticale 2651
Triticum aestivum 2651
Coprinus bilanatus
gene expression, reproduction 2434
genetic transformation, reproduction 2434
Coprinus cinereus
gene expression, reproduction 2434
genetic engineering, reproduction 2434
Coproporphyrinogen oxidase
gene expression
Glycine max 1267
mice 5590
nucleotide sequences
Glycine max 1267
mice 5590
Coptis japonica, cell culture, isoquinoline alkaloids 4479
Corchorus capsularis
tissue culture 1004
nonionic surfactants 3726
techniques 3190
Cordyline fruticosa, in vitro culture 4820
Coreopsis tinctoria
genetic transformation, *Agrobacterium rhizogenes* 4457
tissue culture
1′-isobutyryloxyeugenol-4-isobutyrate 4457
phenolic compounds 4457
Coriandrum sativum
gene expression, palmitoyl-acyl carrier protein desaturase 4603
tissue culture 1002
Cornea, proteoglycans, nucleotide sequences, cattle 659
Cornus
chloroplast genetics
ribulose-bisphosphate carboxylase 1840
taxonomy 1840
nucleotide sequences
ribulose-bisphosphate carboxylase 1840
taxonomy 1840
Cornus kousa
tissue culture
flavanols 4459
polyphenols 4459
tannins 4459
Coronatine, molecular genetics, *Pseudomonas syringae* pv. *glycinea* 2591
Coronaviridae, porcine epidemic diarrhoea virus, nucleotide sequences 54
Corticoids, synthesis, linkage, steroid 11β-monooxygenase, rats 3049
Corticoliberin
gene mapping, restriction fragment length polymorphism, mice 1951
receptors
gene expression, pituitary, mice 5080
nucleotide sequences, pituitary, mice 5080
Corticotropin, drug resistance, targeted mutagenesis, gene expression, cell lines 2286
Corydalis
cell culture
alkaloids 4460
benzophenanthridine 4460
protoberberine 4460
protopine 4460
Corylus avellana, tissue culture, polyamines 6019
Coryneum populinum, in vitro selection, *Populus* 3377
Cosmids (*see also* Vectors)
DNA libraries, *Oryza sativa* 5896
gene mapping, *Oryza sativa* 5896
microsatellites, isolation, polymerase chain reaction, techniques 6580
Cost benefit analysis, biotechnology, forest trees 4907
Costa Rica
biotechnology
genetic resources 1098
policy 6122
Côte d'Ivoire
biotechnology
organization of research 1651-1652
social impact 1652
4-Coumarate-CoA ligase
gene expression
Petroselinum crispum 3904
Glycine max 1287
Nicotiana tabacum 298
Petroselinum crispum 298
genetic engineering, *Petroselinum crispum* 298
genetic transformation, *Nicotiana tabacum* 298
nucleotide sequences, *Glycine max* 1287
Coumarins
cell culture
Ailanthus altissima 4475
Pimpinella anisum 4477
tissue culture
Malus 478
Ruta graveolens 6041
Ruta pinnata 6041
Cowania mexicana, tissue culture, regeneration 4822
Cowania subintegra, tissue culture, regeneration 4822
Cowpea chlorotic mottle bromovirus
genetic transformation
biosafety, *Nicotiana benthamiana* 3363
coat proteins, *Nicotiana benthamiana* 3363
recombination, *Nicotiana benthamiana* 3363
Cowpea mosaic comovirus
molecular genetics, movement proteins 3367
mutations, movement proteins 3367
Coxiella burnetii
detection, polymerase chain reaction 3154, 4774
sporulation, genes, nucleotide sequences 1151
Crabs
hormones
red pigment concentrating
gene expression 4512
nucleotide sequences 4512
Crassulaceae
chloroplast genetics, evolution 4711
nucleotide sequences, evolution 4711
Crataegus monogyna
cell culture, flavonoids 4462
tissue culture, flavonoids 4462
Craterostigma plantagineum
DNA binding proteins, abscisic acid 4634
gene expression
abscisic acid 4634, 4901
desiccation 337, 4901
promoters
abscisic acid 4634, 4901
desiccation 4901
Creatine kinase
gene expression, muscles, transgenics, rats 5764
promoters
regulation
muscles
heart, rabbits 5764
skeleton, rabbits 5764
Crepis capillaris
nucleotide sequences
nucleolus organizer 732
repetitive DNA 732
Crimean-Congo haemorrhagic fever virus, ELISA, detection 3138

Crithidia fasciculata, DNA replication 55
Cronartium fusiforme
gene mapping, *Pinus elliottii* 4725
polymerase chain reaction 1510
Crop residues, animal wastes, anaerobic digestion, methane production 6096
Crops
biogas, biomass 2701
biotechnology, organization of research 2197-2198
breeding, biosafety 6761
DNA fingerprinting 1976
techniques 3643, 3650
DNA probes
disease resistance 2854
Geminivirus 442
ethanol production, biomass 2701
gene expression, uracil-DNA glycosylase 2430
genetic engineering
amino acids 5516
Bacillus thuringiensis 3369
bacteria 3910
biosafety 3340, 3805, 3807
coat proteins, viruses 3910
insects 3369
neomycin phosphotransferase 3807
nutritive value 5516
regulations 3340
release 3340
genetic transformation
biosafety 1621
disease resistance 2839
pest resistance 2839
release 1621
biosafety 1656
viruses 2839
molecular genetics, histones 5631
nucleotide sequences, histones 5631
oils, biomass 2701
plant introduction, biosafety 1619
polymerase chain reaction, *Geminivirus* 442
protoplasts 1008
random amplified polymorphic DNA, techniques 3643, 3650
repetitive DNA, techniques 3643, 3650
restriction fragment length polymorphism 1976
disease resistance 2854
Geminivirus 442
techniques 3643, 3650
RNA editing, chloroplast genetics 5816
tissue culture, chromatin 4287
Cruciferae
chloroplast genetics, taxonomy 5930
restriction analysis, taxonomy 5930
Cruciferin
DNA hybridization, *Brassica napus* 3570
gene expression, *Brassica napus* 3570, 6310, 6383
nucleotide sequences, *Brassica napus* 6310
promoters, *Brassica napus* 6383
Crustacea
Baculoviridae, cloning, *Penaeus monodon* 71
biosafety, genetic engineering, conferences 6738
breeding, genetic variation, Australia 6124
embryos, survival, cryoprotectants 4801
reproduction, genetic variation, Australia 6124
Cryopreservation
Brassica napus 6032
cell culture
Citrus 6622
Panax pseudoginseng 4815
Cichorium intybus 6033
embryogenesis, *Oryza sativa* 6638
Eutrema wasabi 6009
in vitro culture
Abies nordmanniana 1562
Asparagus officinalis 3747
Lonicera caerulea 3747
Malus pumila 3747
Prunus avium 3747
Pyrus 3747
Vaccinium corymbosum 3747
ovaries, activity, mice 6595
Cryopreservation *cont.*
Picea engelmannii 6620
Picea glauca 6620
plants, reviews 4847
Rubus cissoides 498
Rubus cuneifolius 498
Rubus parviflorus 498
tissue culture
Asparagus officinalis 490
Citrus 6622
Citrus sinensis 1011
Cryoprotectants
blastocyst
freezing
survival
cattle 1532
mice 974
dimethyl sulfoxide, oocytes, freezing, cattle 2126
embryos
freezing
cattle 5373
embryonic development, *in vitro,* cattle 975
in vitro development, cattle 5378
in vitro development
cattle 6609
mice 974
survival
crustacea 4801
mice 4233
sheep 4233
trophoblast, freezing, morphology, cattle 4863
ethylene glycol
embryos
in vitro development
goats 2048
pigs 4805
vitrification, *in vitro* development, mice 2061
oocytes, vitrification, viability, mice 2061
glycerol
embryos
freezing
horses 3678
sheep 6602
in vitro development
goats 2048
pigs 4805
vitrification, sheep 6602
oocytes, freezing, cattle 2126
oocytes
freezing
cattle 2128
fertilization, cattle 4304
polyols, semen, freezing, spermatozoa, motility, sheep 6672
propanediol, oocytes, freezing, cattle 2126
propylene glycol
embryos
freezing, sheep 6602
in vitro development, pigs 4805
vitrification, sheep 6602
proteins
embryos, freezing, mammals 3159
oocytes, freezing, mammals 3159
raffinose, embryos, vitrification, *in vitro* development, mice 454
semen, freezing, fishes 2124
sucrose, embryos, vitrification, *in vitro* development, mice 454
Cryphonectria parasitica
DNA fingerprinting 2588
restriction fragment length polymorphism 2588
Cryptococcus neoformans
pheromones, nucleotide sequences 1701
phosphoribosylaminoimidazole carboxylase, gene transfer, biolistics 2256
random amplified polymorphic DNA, DNA fingerprinting 2246
Cryptosporidium baileyi, DNA probes, detection 2039
Cryptosporidium muris, DNA probes, detection 2039
Cryptosporidium parvum, DNA probes, detection 2039
Crystallins
eye lens, nucleotide sequences, geese 3462
nucleotide sequences
guineapigs 3943
mice 3943
promoters, transcription factors, fowls 252
transcription, regulation, eye lens, fowls 2403
Ctenocephalides felis, sodium, channels, nucleotide sequences, cats 2254
Cuba, biotechnology, organization of research 2747
Cucumber mosaic cucumovirus
gene expression
Nicotiana benthamiana 2279
Nicotiana tabacum 2279
satellite DNA 1727
satellite RNA
Nicotiana bigelovii 120
Nicotiana clevelandii 120
Solanum tuberosum 2279
genetic engineering, *Phytolacca americana* 2279
genetic transformation
disease resistance, *Nicotiana* 50
Nicotiana benthamiana 2279
Nicotiana tabacum 2279
replicase
Nicotiana benthamiana 2855
Nicotiana tabacum 2855
satellite RNA 125
Solanum tuberosum 2279
protoplasts
Capsicum annuum 4988
Capsicum chinense 4988
Cucumber necrosis necrovirus, nucleotide sequences, RNA 3360
Cucumis melo
embryo culture 993
gene expression, coat proteins, zucchini yellow mosaic potyvirus 101
genetic transformation
Agrobacterium tumefaciens 2791
coat proteins, zucchini yellow mosaic potyvirus 101
in vitro selection, *Murothecium roridum* 5008
protoplast fusion 578
tissue culture
polyploidy 2611
regeneration 5391
somatic embryogenesis 2091
Cucumis sativus
cell culture
carbohydrates 5798
isocitrate lyase 5798
malate dehydrogenase 5798
malate synthase 5798
chitinase 2836
DNA binding proteins
repetitive DNA 352
ribosomal DNA 352
embryo culture
haploidy 6643
plant development 6643
flow cytometry
DNA 2025
mixoploidy 2025
gene expression
ascorbate oxidase 6415
benzyladenine 3036
carbohydrates 5798
chitinase 2464
Colletotrichum orbiculare 2851
glutamate-tRNA ligase 5828
hydroxypyruvate reductase 2429
isocitrate lyase 5798
light 2429
malate dehydrogenase 5798
malate synthase 5798
repetitive DNA 352
ribosomal DNA 352
transfer RNA 5828
genetic engineering 2836
chitinase 2464
nucleotide sequences
ascorbate oxidase 6415
ferrochelatase 6292

Cucumis sativus cont.
promoters
repetitive DNA 352
ribosomal DNA 352
tissue culture, micropropagation 3216
Cucurbita
gene expression, albumins 1894
nucleotide sequences
albumins 1894
(*S*)-2-hydroxy-acid oxidase 5703
protoplast fusion 578
transcription factors, (*S*)-2-hydroxy-acid oxidase 5703
Cucurbita maxima, nucleotide sequences, lectins 206
Cucurbita pepo
chloroplast genetics
adenosinetriphosphatase 2176
heat shock 2176
photosynthesis 2176
ribulose-bisphosphate carboxylase 2176
gene expression
adenosinetriphosphatase 2176
heat shock 2176
photosynthesis 2176
ribulose-bisphosphate carboxylase 2176
molecular genetics, DNA topoisomerase 1924
nucleotide sequences, phloem 3501
Cucurbitaceae, tissue culture, somatic embryogenesis 991
Culex pipiens
insecticide resistance, restriction fragment length polymorphism 4427
transposable elements, nucleotide sequences 1200
Culture media
amino acids
embryos
in vitro development
cattle 3233
sheep 4236
blood serum, embryos, *in vitro* development, cattle 5969
caffeine, ova, *in vitro* maturation, *in vitro* fertilization, cattle 4789
calcium, oocytes, spermatozoa, injection, *in vitro* fertilization, mice 6668
composition, embryos, *in vitro* development, cattle 4245
constituents, embryo transfer, DNA, contamination, livestock 2053
EDTA, embryos, *in vitro* development, mice 1515
embryonic development, *in vitro* culture, cattle 3690
embryos
DNA, injection, *in vitro* development, pigs 5967
fusion, *in vitro* development, mice 6610
in vitro culture, cattle 4854
in vitro development
cattle 961, 4782, 4848
goats 1528
guineapigs 1531
horses 4788
mammals 2063, 3161
mice 1526-1527, 2066
pigs 4793, 5404
rats 4796
sheep 4244
in vitro fertilization, cattle 4854
energy sources
embryos
in vitro development
cattle 3233
sheep 1535
glucose
embryos
in vitro development
mice 1515
rats 4794
glutamine, embryos, *in vitro* development, mice 1515
granulosa cells, embryo transfer, pregnancy rate, cattle 4781
in vitro fertilization
mice 2066

Culture media *cont.*
in vitro fertilization *cont.*
oocytes
cats 2055
in vitro development
cats 2055
embryos, cattle 2050
in vitro maturation
activation, pigs 5404
oocytes, cats 2055
oocytes
in vitro fertilization, cattle 4782, 4848
in vitro maturation
cattle 4782, 4848
in vitro fertilization, pigs 5404
pigs 5409
osmolarity
embryos
in vitro development, rats 4794
vitrification, survival, rabbits 971
phosphate
embryos
in vitro development
cattle 3233
rats 4794
potassium, embryos, *in vitro* development, mice 5361
sodium fluoride, embryos, *in vitro* development, mice 3689
storage, embryos, *in vitro* development, mice 1529
vitamins, embryos, *in vitro* development, sheep 4236
volume, embryos, *in vitro* development, cattle 6594
Cumulus cells, embryos, *in vitro* development, cattle 981, 1534
Cumulus oophorus
oocytes
in vitro fertilization, cattle 3230
in vitro maturation, pigs 4307
Cupressaceae
chloroplast genetics
ribulose-bisphosphate carboxylase 4540
taxonomy 4540
nucleotide sequences
ribulose-bisphosphate carboxylase 4540
taxonomy 4540
Cuticle
gene expression, *Hyalophora cecropia* 6189
molecular genetics, *Hyalophora cecropia* 6189
Cyanazine
ELISA
soil 450
water 450
Cyclamen persicum, anther culture 1058
Cyclic-nucleotide phosphodiesterase, nucleotide sequences, rats 5613
Cyclic nucleotides
calcium
channels
gene expression, cattle 5023
nucleotide sequences, cattle 5023
ions
channels
gene expression, rabbits 1204
nucleotide sequences, rabbits 1204
Cyclins
gene expression
Antirrhinum majus 5204
mammary hyperplasia, transgenics, mice 6167
nucleotide sequences
fowls 3433
Trypanosoma brucei, mitosis 4977
Cycloheximide
oocytes
parthenogenesis
cattle 6047
induction, cattle 4872
Cyclomaltodextrinase
Bacillus sphaericus, gene expression, *Escherichia coli* 1297
nucleotide sequences, *Bacillus sphaericus* 1297

Cyclophilin
binding proteins
gene expression, cell lines 180
nucleotide sequences, mice 180
gene expression, *Vicia faba* 5664
nucleotide sequences
Arabidopsis thaliana 6287
Vicia faba 5664
Cydia pomonella, genetic transformation, *Juglans regia* 4983
Cydonia oblonga, tissue culture 2618, 4247
Cydonia* × *Pyrus
genetic transformation 1668
tissue culture 1668
Cylicin, nucleotide sequences, testes, cattle 2899
Cymbidium mosaic potexvirus, ELISA, Orchidaceae 434
Cymbidium ringspot tombusvirus, genetic transformation, *Nicotiana benthamiana* 2850
Cynara cardunculus
gene expression
cyprosin 5100
proteinases 5100
nucleotide sequences
cyprosin 5100
proteinases 5100
tissue culture, somatic embryogenesis 6011
Cynara scolymus
anther culture 3763
ovule culture 3763
Cynodon dactylon, immunological techniques, mycoplasma-like organisms 444
Cyphomandra, chloroplast genetics, taxonomy 2550
Cyphomandra betacea, tissue culture 2631
Cyprosin
gene expression, *Cynara cardunculus* 5100
nucleotide sequences, *Cynara cardunculus* 5100
Cystatin
gene expression, fowls 2985
nucleotide sequences
fowls 2985
rats 652
promoters, gene expression, rats 652
Cysteine endopeptidase
gene expression, *Zea mays* 6246
nucleotide sequences, *Zea mays* 6246
Cysteine proteinase, gene expression, *Ricinus communis* 2359
Cysteine proteinase inhibitor, nucleotide sequences, *Vigna unguiculata* 1254
Cysteine proteinases
gene expression
Actinidia deliciosa 1353
Arabidopsis thaliana 5448
Cicer arietinum 5630
Petunia hybrida 1353
genetic engineering, *Actinidia deliciosa* 1353
genetic transformation, *Petunia hybrida* 1353
molecular genetics, *Solanum tuberosum* 4629
nucleotide sequences
Actinidia deliciosa 1353
Arabidopsis thaliana 5448
Cicer arietinum 5630
Plasmodium vinckei 4426
polymerase chain reaction, *Cicer arietinum* 5630
Cysteine-rich proteins
gene expression, rats 1781
nucleotide sequences, rats 1781
Cysteine synthase
complementation, *Citrullus lanatus* 5673
gene expression
Nicotiana tabacum 2179
Triticum aestivum 2179
genetic engineering, *Triticum aestivum* 2179
genetic transformation, *Nicotiana tabacum* 2179
nucleotide sequences
Citrullus lanatus 5673
Spinacia oleracea 731, 740

Cystic fibrosis
transmembrane conductance regulator
gene transfer, liposomes, inhalation, mice 4384
RNA
alternative splicing
cell lines 1314
mice 1314
Cysts, kidney diseases, animal models 3581
Cytidine triphosphate:phosphatidate cytidyltransferase, cell culture, *Catharanthus roseus* 2093
Cytochalasin B
triploidy
induction
body weight, mollusca 4311
mortality, mollusca 4311
Cytochrome *b*, nucleotide sequences, fishes 2908
Cytochrome *c*
nucleotide sequences
Solanum tuberosum 228
Triticum aestivum 210
RNA editing, *Triticum aestivum* 210
Cytochrome monooxygenase
gene expression, *Zea mays* 6282
nucleotide sequences, *Zea mays* 6282
Cytochrome-*c* oxidase
gene expression
cattle 4521
Persea americana 1923
Zea mays 1385
gene mapping, plants 5912
mitochondrial genetics
plants 5912
Zea mays 384, 1385, 5953
nucleotide sequences
cattle 4521
ducks 5600
promoters, *Zea mays* 5953
restriction fragment length polymorphism, cattle 370
Cytochrome P-450
gene expression
Catharanthus roseus 5116
Nicotiana tabacum 6201
genetic engineering, *Catharanthus roseus* 5116
genetic transformation
Arabidopsis thaliana 5116
Nicotiana tabacum 5116, 6201
nucleotide sequences
Catharanthus roseus 5116
Petunia hybrida 2964
Cytochrome P450 aromatase
promoters, transcription, c-AMP, cell lines 778
transcription, DNA binding proteins, rats 1310
Cytochrome synthase
gene expression, rats 4528
nucleotide sequences, rats 4528
Cytochromes
arachidonic acid epoxygenase
gene expression, rats 5589
nucleotide sequences, rats 5589
chloroplast genetics, RNA, alternative splicing, *Zea mays* 6355
gene expression
kidneys, mice 5724
Nicotiana tabacum 6312
Oryza sativa 6312
rabbits 783
rats 802, 3541
sex differences
guineapigs 760
mice 760
gene mapping, restriction fragment length polymorphism, mice 760
nose
mucosa
gene expression, rabbits 5602
nucleotide sequences, rabbits 5602
nucleotide sequences
cattle 5571
guineapigs 760
kidneys, mice 5724
mice 760, 2337
Nicotiana tabacum 6312
Oryza sativa 6312
rabbits 783
Cytochromes *cont.*
nucleotide sequences *cont.*
rats 802, 3541, 3945
Solanum melongena 6319
promoters
DNA binding proteins, liver, rats, cell lines 4585
nucleotide sequences, sheep 6222
RNA
alternative splicing
kidneys, rats 3541
prostate, rats 3541
Cytogenetics
DNA hybridization, fluorescence microscopy, reviews 6563
plants, books 3291
Cytokeratin
chromatin, structure, embryonic development, mice 808
enhancers, DNA binding proteins, mice 2987, 3515
gene expression, epithelia, transgenics, mice 580
Cytokines
gene expression, rats 269
nucleotide sequences, rats 674
receptors
gene mapping, mice 701
nucleotide sequences, mice 701, 5761
transcription, liver, pregnancy, mice 5761
transcription factors
liver, gene expression, rats 5184
mammary glands, gene expression, rats 5184
secretion, ovaries, granulosa cells, cell lines, mice 5381
targeted mutagenesis, disease resistance, viruses, mice, reviews 2860
Cytokinins
gene expression, *Nicotiana tabacum* 287, 6134
genetic transformation 4990
Nicotiana plumbaginifolia 1183
Nicotiana tabacum 287, 6134
Populus canescens 5488
tissue culture
Paeonia suffruticosa 5983
Petunia 5978
Thuja occidentalis 4834
Cytology
books 6750
chromosomes 6750
techniques 6750
Cytoplasm
mitochondrial genetics, *Zea mays* 4014
polymerase chain reaction, *Zea mays* 4014
Cytoplasmic inheritance
gene expression
triticale 5817
Triticum 5817
mitochondrial genetics
triticale 5817
Triticum 5817
Cytoplasmic male sterility
DNA libraries, *Oryza sativa* 385
gene expression
Beta vulgaris 5708
Helianthus annuus 3252, 5844
Nicotiana 6700
Petunia hybrida 3546
Petunia parodii 3546
Phaseolus vulgaris 3250
Zea mays 3019
gene mapping, *Phaseolus vulgaris* 6073
genetic engineering 1597
genetics, *Zea mays* 5558
in vitro selection, *Zea mays* 5558
mitochondrial genetics
adenosinetriphosphatase, *Oryza sativa* 4090
Allium porrum 6123
Allium schoenoprasum 3775
Beta maritima 6075
Beta vulgaris 221, 2547, 4646, 6075
Brassica juncea 5217
Brassica napus 1076, 2680, 3251, 6072
Brassica oxyrrhina 5217
Cytoplasmic male sterility *cont.*
mitochondrial genetics *cont.*
Helianthus annuus 3252, 5844, 6077-6078, 6698
Helianthus petiolaris 6078
Nicotiana 6700
Oryza sativa 385, 2927
Pennisetum glaucum 6703-6704
Petunia 534
Petunia hybrida 1247, 3546, 6298
Petunia parodii 3546
Phaseolus coccineus 6701
Phaseolus vulgaris 2159, 3250, 6073, 6701
plants 3253
reviews 6071
Raphanus sativus 213, 5432
Sorghum 5916
Triticum aestivum 5817
Triticum timopheevii 5817
Zea mays 857, 2160, 3026, 5535
molecular genetics, *Vicia faba* 3254
monoclonal antibodies, *Vicia faba* 5356
nucleotide sequences
Beta vulgaris 221, 5708
Oryza sativa 2927
Petunia hybrida 1247, 6298
Raphanus sativus 213, 3483
ovule culture, *Beta vulgaris* 6680
polymerase chain reaction, *Raphanus sativus* 5432
protoplast fusion
Brassica napus, rape 2796
Nicotiana 6700
Raphanus sativus 2796
restriction fragment length polymorphism
Allium schoenoprasum 3775
Brassica napus 2680
Helianthus annuus 6698
Pennisetum glaucum 6703-6704
Phaseolus coccineus 6701
Phaseolus vulgaris 6701
Zea mays 6076
restriction mapping
Phaseolus coccineus 535
Phaseolus vulgaris 535
RNA editing
adenosinetriphosphatase, *Oryza sativa* 4090
Raphanus sativus 3483
Triticum aestivum 5769
Zea mays 857
targeted mutagenesis, *Zea mays* 5535
Cytosine deaminase
genetic transformation, *Arabidopsis thaliana* 1681
lethals, *Arabidopsis thaliana* 1681
Cytosine methyltransferase, nucleotide sequences, *Arabidopsis thaliana* 208
Cytosol aminopeptidase, gene expression, *Lycopersicon esculentum* 5531
Czech Republic, biogas, production, manures, anaerobic digesters, design 3267
2,4-D
biodegradation, bioreactors, plasmids, *Alcaligenes eutrophus* 2693
cell culture
cell division, *Nicotiana tabacum* 3023
Cenchrus ciliaris 4813
G proteins, *Nicotiana tabacum* 3023
gene expression
cell division, *Nicotiana tabacum* 3023
G proteins, *Nicotiana tabacum* 3023
nucleotide sequences
cell division, *Nicotiana tabacum* 3023
G proteins, *Nicotiana tabacum* 3023
somaclonal variation, *Populus* 5556
Dactinomycin, gene expression, *Phaseolus vulgaris* 873
Dactylis glomerata
radiation, somatic embryogenesis 2635
tissue culture
abscisic acid 2616
somatic embryogenesis 2616, 2635, 6031
temperature 6031
Dairy factories, waste water treatment, biological filtration, USA 4348
Dairy industry, biotechnology, policy, Australia 4381

Dairy performance, genes, milk proteins, linkage, cattle 6455
Dasypyrum villosum
DNA amplification
development 5792
repetitive DNA 5792
restriction fragment length polymorphism
chloroplast genetics 4728
mitochondrial genetics 4728
Data banks
biotechnology, Brazil 1655
genetic improvement, livestock 1662
genetic resources, livestock 1662
Databases
DNA 748, 750
DNA probes 753
gene mapping, *Triticum aestivum* 5262
gene sequencing, computer analysis 237
genetic transformation, plants 6262
nucleotide sequences 749, 752, 1298, 6751-6752
computer software 240, 5326
reviews 6335
plants 6262, 6283, 6309
restriction enzymes 951
transcription factors 751
transfer RNA, nucleotide sequences 754
Datura
genetic transformation, *Agrobacterium rhizogenes* 4489, 6204
tissue culture
hyoscyamine 6204
scopolamine 4489, 6204
tropane alkaloids 4489, 6204
Datura candida
genetic transformation, *Agrobacterium rhizogenes* 4452
tissue culture 4452
Datura fastuosa
cell culture
folylpolyglutamate 5010
methotrexate 5010
gene tagging, transposable elements 6552
genetic transformation
Agrobacterium tumefaciens 3315
transposable elements 6552
in vitro culture
folylpolyglutamate 5010
methotrexate 5010
in vitro selection 3931
methotrexate 3931
tissue culture
alkaloids 2282
scopolamine 2282
tropane 2282
tropane alkaloids 4453
Datura innoxia, *in vitro* culture, somatic embryogenesis 502
Datura insignis, tissue culture 485
Datura stramonium
cell culture
alkaloids 1730
elicitors 1730
gene expression, tropinone reductase 5670
genetic transformation, *Agrobacterium rhizogenes* 147, 4456, 4488
nucleotide sequences, tropinone reductase 5670
tissue culture
alkaloids 147
hyoscyamine 147, 4456
putrescine *N*-methyltransferase 4488
scopolamine 147
tropane alkaloids 4456
Daucus carota
antibodies, β-fructofuranosidase 6323
bioreactors, somatic embryogenesis 4262, 5439
cell culture 2082
adenosinetriphosphatase 5987
cold 3735
6-methoxymellein 5996, 469
microtubules 6660
proteins 2615
somatic embryogenesis 3719, 5395, 5997, 6625, 6660
techniques 6585
tubulin 3719, 3735
chloroplast genetics, techniques 6585
Daucus carota *cont.*
DNA
extraction 6585
techniques 6585
gene expression
β-fructofuranosidase 329
glufosinate 6200
herbicide resistance 6200
promoters 1374
somatic embryogenesis 2661
genetic engineering, β-fructofuranosidase 329
genetic transformation 2775
Agrobacterium rhizogenes 6625
glufosinate 6200
herbicide resistance 6200
promoters 1374
mitochondrial genetics, techniques 6585
nucleotide sequences
β-fructofuranosidase 6323, 329
glycoproteins 1799
self incompatibility 1799
somatic embryogenesis 4017
polymerase chain reaction 5920
promoters, β-fructofuranosidase 329
protoplasts 2101, 2775
random amplified polymorphic DNA 5920
restriction fragment length polymorphism 5920
somaclonal variation
Alternaria dauci 2299
carotenes 3930
tissue culture
artificial seeds 4814
calcium 6018
calmodulin 6018
image processing 2172
peroxidase 3750
roots 2647
salinity 1612
somatic embryogenesis 2098, 2645, 2661, 4814, 4846, 6018
techniques 2647
Deer
embryo transfer
pregnancy rate 6696
reviews 2052
techniques 6696
pregnancy diagnosis
oestrogens, in blood 530
pregnancy specific protein, in blood 530
transfer RNA, nucleotide sequences 650
Deficiency diseases, uridine monophosphate synthase, detection, embryos, polymerase chain reaction, cattle 5961
Dehydrin
antibodies, plants 1329
gene expression
Bromus inermis 6715
Prunus persica 6352
molecular genetics, plants 1329
2-Dehydro-3-dephosphoheptonate aldolase, gene expression, *Lycopersicon esculentum* 5797
3-Dehydroquinate synthase
gene expression, *Lycopersicon esculentum* 1803
nucleotide sequences, *Lycopersicon esculentum* 1803
Deletions
production, plasmids, vectors, DNA sequencing 944
Y chromosome, sex determination, restriction fragment length polymorphism, mice 4664
Delphinium, tissue culture, anatomy 2106
Dendranthema, genetic transformation 3025
Dendranthema grandiflora
co-suppression
antisense DNA 4417
colour 4417
flowers 4417
naringenin-chalcone synthase 4417
gene expression, naringenin-chalcone synthase 2243
genetic engineering, naringenin-chalcone synthase 2243
genetic transformation
Agrobacterium tumefaciens 4949
Dendranthema grandiflora *cont.*
genetic transformation *cont.*
antisense DNA 4417
colour 4417
flowers 4417
naringenin-chalcone synthase 4417
regeneration 6153
random amplified polymorphic DNA 2013-2014
restriction fragment length polymorphism 6556
tissue culture
regeneration 6153
somatic embryogenesis 4949
variety classification 2013
Dendrobium candidum, tissue culture, flowering 2658
Dendrobium moniliforme, micropropagation 3723
Dendrocalamus hamiltonii, tissue culture, regeneration 6653
Dendrocalamus longispathus, tissue culture, regeneration 6651
Dendrocalamus strictus, tissue culture, regeneration 460
Density gradient centrifugation, embryos, quality, mollusca 4235
Deoxynivalenol, *in vitro* selection, *Triticum aestivum* 2872
Deoxyribonuclease I
hypersensitivity
apolipoproteins, gene expression, liver, mice 3871
globins, DNA replication, fowls 4029
Desiccation
gene expression
Arabidopsis thaliana 5448
Craterostigma plantagineum 337, 4901
Lycopersicon esculentum 3268
nucleotide sequences
Arabidopsis thaliana 5448
Lycopersicon esculentum 3268
promoters, *Craterostigma plantagineum* 4901
Desmin, gene expression, muscles, transgenics, mice 2808
Desmoyokin, nucleotide sequences, plasma membranes, mice 5046
Detection
bovine papillomavirus, skin diseases, horses 76
chimaeras, sex chromosomes, twinning, polymerase chain reaction, cattle 5334
DNA probes
Anaplasma marginale 2037
Babesia bigemina 2037
Babesia bovis 2037
bacteria, milk products 2579
chicken anaemia virus 1468
chimaeras, ovaries, mice 4404
Cryptosporidium baileyi 2039
Cryptosporidium muris 2039
Cryptosporidium parvum 2039
Escherichia coli, livestock 1500
genes, mini-exon, *Endotrypanum schaudinni* 2576
Mycoplasma gallisepticum 1495
mycoplasma-like organisms 2589
mycotoxins, foods, reviews 2595
restriction fragment length polymorphism
Theileria parva
Kobus ellipsiprymnus 6173
Synceros caffer 6173
Salmonella 2580
Staphylococcus, phagocytes, mice 5355
Theileria 4222
ELISA
aflatoxins
Aspergillus oryzae 3157
Aspergillus sojae 3157
foods 5358
antibiotic residues, milk 4226
antibiotics, milk 4768
Babesia bigemina 4229
Babesia bovis 4229
Bacillus cereus, milk 3140
barley yellow dwarf luteovirus 3673

Detection *cont.*
ELISA *cont.*
beet western yellows luteovirus 2587
blood, bovine leukosis 1475
Boophilus microplus, cattle 4428
Borna disease virus, ostriches 1491
Borrelia burgdorferi 4764
dogs 3141
horses 3141
urine, mice 3147
bovine oncovirus 2584
cells, blood, dogs 2572
Chlamydia psittaci 2585
pigeons 2583
Crimean-Congo haemorrhagic fever virus 3138
dieldrin, milk, cattle 4227
Eimeria tenella, fowls 4231
ferritin, horses 2582
galactomannan 2581
goats, milk, adulteration, sheep, milk 4766
herbicides 430
foods 5358
Hypoderma lineatum, cattle 4772
immune response, *Trypanosoma cruzi,* dogs 4223
milk
adulteration
reviews 4769
sheep, goat milk 4225
bovine leukosis 1475
mycoplasma-like organisms 2589
mycotoxins
cereals, USA 4777
foods, reviews 2595
pea seed-borne mosaic potyvirus 3672
Plasmodium, ducks 3142
polymerase chain reaction, Flavivirus 3139
potato leaf roll luteovirus 2587
prolactin, rats 4765
prune dwarf ilarvirus 2592
prunus necrotic ringspot ilarvirus 2592
Pythium ultimum 2593
Renibacterium salmoninarum 2578
rinderpest virus 1479
Salmonella, foods 5358
Salmonella typhimurium 2038
Sarcocystis cruzi, cattle 3152
selectins, dogs 2575
somatotropin, blood, cattle 4763
Staphylococcus aureus 4228
streptomycin, milk 4768
terbuthylazine 430
testosterone, cattle 4230
Trichinella, pigs 2574
Trypanosoma cruzi 4771
urine, bovine leukosis 1475
vesicular stomatitis virus
cattle 3137
horses 3137
pigs 3137
sheep 3137
exotoxins, ELISA, *Pasteurella multocida,* pigs 1494
flow cytometry, heteroploidy, ova, fishes 4750
fowls, *Eimeria tenella,* ELISA 4231
genes, Y chromosome, polymerase chain reaction, goats 5960
immunoassay, plum pox potyvirus 3372
in vitro fertilization
embryos
bovine diarrhoea virus 1141
bovine herpesvirus 1141
Listeria monocytogenes, polymerase chain reaction, silage 5357
malignant catarrhal fever virus, polymerase chain reaction, sheep 411
monoclonal antibodies
beet western yellows luteovirus 2587
Borrelia afzelii 2036
Borrelia burgdorferi 3149
herbicides 430
mycoplasma-like organisms 2589
potato leaf roll luteovirus 2587
Pythium ultimum 2593
terbuthylazine 430

Detection *cont.*
parasites, ribosomal RNA, nucleotide sequences, reviews 4210
polyclonal antibodies, plum pox potyvirus 3372
polymerase chain reaction
African horse sickness virus 3153
bluetongue virus 3144
Borrelia burgdorferi 3156
Candida 3143, 3148
Coxiella burnetii 3154, 4774
eastern equine encephalitis virus
Anopheles crucians 3155
Culex erraticus 3155
emus 3155
Francisella tularensis, sheep 3146
Listeria monocytogenes, milk 3150
Theileria annulata 3145
vesicular stomatitis virus 3151
pseudohermaphroditism, polymerase chain reaction, goats 5960
random amplified polymorphic DNA, species, *Schistosoma* 4770
restriction fragment length polymorphism
Nematoda
cattle 4767
goats 4767
sheep 4767
synthetic tandem repeats, DNA, polymorphism, gene mapping, mice 904
Taylorella equigenitalis, polymerase chain reaction 1471
techniques, microsatellites, polymerase chain reaction, dogs 2030
transposable elements, polymerase chain reaction, insects 1684
uridine monophosphate synthase, deficiency diseases, embryos, polymerase chain reaction, cattle 5961
Developing Countries
agricultural research, biotechnology, regulations, reviews 2724
aquaculture, biotechnology, genetic resources, economics 2725
biodiversity, policy 2199
biotechnology 6118, 6123, 6762
biosafety 6121
companies 6718
conferences 6739
economic impact 6724
genetic resources 3
intellectual property rights 3821, 6121
international cooperation 2746
organization of research 2, 556, 1649, 2746, 6117, 6725
plant protection 7
plants 555
policy 2, 556, 2199, 6117, 6121, 6724
technology transfer 1649, 3294, 6722, 6725
plants 6110
embryo transfer, genetic gain, breeding programmes, cattle 2597
genetic engineering, patents 4360
genetic resources, patents 4360
Development
antithrombin, gene expression, fowls 241
cloning, *Oryza sativa* 6349
DNA amplification, *Dasypyrum villosum* 5792
DNA methylation, patterns, mammals, reviews 5171
embryonic stem cells, vectors, gene expression, interferon, mice 4936
epistasis, *Arabidopsis thaliana* 5768, 5855
fibroblast growth factors, receptors, DNA, alternative splicing, kidneys, rats 5154
gene expression
Antirrhinum majus 3549
Arabidopsis thaliana 860, 3549, 5212, 5768, 5813, 5855
Avena sativa 4628
differential, intestines, pigs 5071
Hordeum vulgare 346
Linum usitatissimum 4611
Lycopersicon esculentum 4569, 5791
Nicotiana tabacum 346, 5699, 6349

Development *cont.*
gene expression *cont.*
Oryza sativa 860, 6349
Petunia hybrida 1902
plants 5823
Zea mays 1897
reviews 5220
gene mapping
Lycopersicon esculentum 4569
mice 4150
Zea mays 5877
genetic engineering
Hordeum vulgare 346
Petunia hybrida 342
genetic transformation
Arabidopsis thaliana 860, 5212
Nicotiana tabacum 346, 631, 1325, 6349
molecular genetics
Petunia hybrida 1902
plants 1905, 3015
books 4917
reviews 6411
Zea mays, reviews 5220
mutations
Arabidopsis thaliana 5768, 5813, 5855
Petunia hybrida 342
nucleotide sequences
Brassica oleracea 201
Hordeum vulgare 346
Lycopersicon esculentum 4569
Nicotiana tabacum 5699
Oryza sativa 860
Petunia hybrida 342
plastids, plants 3030
promoters, *Arabidopsis thaliana* 860
random amplified polymorphic DNA, plants 4196
regulation, gene expression, vertebrates 2986
restriction fragment length polymorphism
plants 4196
Zea mays 5877
RNA probes, *Lycopersicon esculentum* 5791
serine proteinase, inhibitors, gene expression, fowls 241
Developmental stages
genes
gene expression, *Trypanosoma brucei* 78
nucleotide sequences, *Trypanosoma brucei* 78
Diabetes
disease resistance, gene mapping, microsatellites, mice 1934
gene transfer, T lymphocytes, receptors, transgenics, mice 2227
glucose, transporters, gene expression, transgenics, mice 41
major histocompatibility complex
gene therapy, mice 2238
T lymphocytes, receptors, gene expression, transgenics, mice 42
T lymphocytes
receptors
lymphocytic choriomeningitis virus, glycoproteins, gene transfer, mice 4965
mitotic recombination, polymerase chain reaction, mice 1303
Diagnosis
antigens, ELISA, caprine arthritis encephalitis virus 413
Bordetella avium, polymerase chain reaction 1503
bovine oncovirus, polymerase chain reaction 416
cat diseases, reviews 9
citrullinaemia, embryos, cattle 1482
diseases
reviews, livestock 5351
techniques, reviews, animals 5353
DNA hybridization, sampling, techniques, efficiency, bovine herpesvirus 1506
DNA probes
bovine herpesvirus 421
rotavirus, pigs 1497
ELISA
anaemia, dogs 2572

Diagnosis *cont.*
ELISA *cont.*
aspergillosis, cattle 2581
avian influenzavirus, turkeys 1486-1487
canine parvovirus 1501
Chlamydia psittaci 1492
equine herpesvirus 1480
Escherichia coli 1481
mastitis 4228
Mycoplasma mycoides 1493
Eperythrozoon suis, polymerase chain reaction, pigs 1496
freemartins, polymerase chain reaction, cattle 5334
infectious bronchitis virus, DNA probes, polymerase chain reaction, fowls 1489
monoclonal antibodies, equine herpesvirus 420
Mycobacterium paratuberculosis, polymerase chain reaction 1478
Mycoplasma iowae, polymerase chain reaction, fowls 1509
ribosomal RNA, restriction fragment length polymorphism, *Leptospira interrogans* 415
Salmonella, polymerase chain reaction 1477
Theileria sergenti, polymerase chain reaction 1504
Diagnostic techniques
comparisons, *Renibacterium salmoninarum,* fishes 418
evaluation, ELISA, bluetongue virus 1467
monoclonal antibodies, livestock, reviews 5354
polymerase chain reaction, visna maedi virus 412
Dianthus
tissue culture
antibiotics 488
flowers 3177
somatic embryogenesis 488
Dianthus caryophyllus
bioreactors 3783
gene expression
ACC oxidase 285
ACC synthase 285
ethylene 285
flowers 2486
senescence 2486
genetic transformation
reporter genes 4954
techniques 4954
in vitro culture 3783
in vitro selection, *Fusarium oxysporum* 622
tissue culture 4276, 6613
Dianthus zeyheri, tissue culture 2083
Diazepam binding inhibitor
nucleotide sequences, rats 5053
promoters, transcription, rats 5053
Dictionaries
agriculture 4918
biotechnology 2736
Dieldrin, ELISA, detection, milk, cattle 4227
Dietary fat
gene expression, regulation, mice 247
genes, regulation, isolation techniques, mice 247
Differential diagnosis
ribosomal DNA, restriction fragment length polymorphism, *Escherichia hermannii, Escherichia coli* 1499
Rickettsia japonica, Rickettsia rickettsii, restriction fragment length polymorphism 1508
serotypes, polymerase chain reaction, infectious bronchitis virus 1490
Differentiation
cell culture, *Zinnia elegans* 2079
DNA methylation, muscles, mice 5149
gene expression, *Zea mays* 4625
genetic transformation, *Zea mays* 4625
Digitalis grandiflora
biotransformation, cardenolides 1737
cell culture, cardenolides 1737, 3746
Digitalis lanata
cell culture, heat shock proteins 6016
gene expression, heat shock proteins 6016
tissue culture
cardenolides 1190, 4483, 5541
digitoxin 1190
somatic embryogenesis 1190
Digitalis obscura, tissue culture, cardenolides 1733
Digitalis purpurea
tissue culture
cardenolides 1732
steroids 1732
Digitoxin, tissue culture, *Digitalis lanata* 1190
Dihydrodipicolinate synthase
genetic transformation, *Nicotiana tabacum* 1920
nucleotide sequences
Arabidopsis thaliana 6325
Populus 6325
polymerase chain reaction, *Arabidopsis thaliana* 6325
Dihydrofolate reductase
gene mapping, *Aedes albopictus* 1704
gene transfer, vectors, *Aedes albopictus,* cell lines 2831
Dihydrokaempferol 4-reductase
DNA methylation, *Petunia hybrida* 5832
gene expression 6414
Eustoma grandiflorum 3547
Glycine max 6434
Lotus corniculatus 5200
Lycopersicon esculentum 6377
gene mapping, *Pharbitis nil* 4715
genetic engineering, *Zea mays* 5832
genetic transformation
Hordeum vulgare 2465
Lotus corniculatus 5200
Lycopersicon esculentum 6377
Petunia hybrida 5832
induced mutations, *Hordeum vulgare* 2465
mutations
Lycopersicon esculentum 6377
Pharbitis nil 4715
nucleotide sequences, *Hordeum vulgare* 2465
restriction mapping, *Lycopersicon esculentum* 6377
transposable elements, *Pharbitis nil* 4715
gene expression, *Hordeum vulgare* 1930
genetic transformation, *Hordeum vulgare* 1930
Dihydroorotate dehydrogenase, genetic transformation, *Agrocybe aegerita* 3862
Dihydropyridine, receptors, gene mapping, molecular genetics, mice 1397
Dimethyl sulfoxide
oocytes, *in vitro* maturation, cattle 6664
proto-oncogenes, polymerase chain reaction, mice 2570
Dimethylallyltranstransferase, cell culture, *Vitis vinifera* 5988
Dioscorea, biotechnology 1651, 1660
Dioscorea alata, tissue culture 1001
Dioscorea bulbifera, tissue culture 1032
Dioscorea cayenensis
chloroplast genetics, taxonomy 935
restriction fragment length polymorphism, taxonomy 935
Dioscorea rotundata
chloroplast genetics, taxonomy 935
restriction fragment length polymorphism, taxonomy 935
Diospyros kaki, protoplasts, regeneration 1027
Dipeptidyl-peptidase IV
gene mapping
DNA hybridization, pigs 1963
microsatellites, pigs 1963
Diphtheria, toxins, gene expression, macrophages, eyes, cells, mice 587
Diploidy, induction, androgenesis, heat shock, fishes 6059
Directories, biotechnology, *Manihot esculenta* 6746
Disa, chloroplast genetics, taxonomy 5302
Disease resistance
anther culture, *Nicotiana tabacum* 4992
Disease resistance *cont.*
antisense RNA, hepatitis virus, gene transfer, transgenics, mice 3353
cloning, *Nicotiana tabacum* 1159
diabetes, gene mapping, microsatellites, mice 1934
DNA probes, crops 2854
encephalomyocarditis virus, interferon, regulatory factor, targeted mutagenesis, mice 6212
footrot, major histocompatibility complex, restriction fragment length polymorphism, sheep 4134
gene expression
chitin, plants, reviews 1373
lectins, plants, reviews 1373
Nicotiana tabacum 3361
Solanum tuberosum, reviews 6432
gene mapping
Pisum sativum 5275
plants 2262
Solanum tuberosum, reviews 6432
gene transfer, livestock, reviews 2815
genes, prion protein, restriction fragment length polymorphism, scrapie, sheep 902
genetic engineering
plants 3286
reviews 1166
genetic transformation
crops 2839
cucumber mosaic cucumovirus, *Nicotiana* 50
Nicotiana tabacum 1159, 3361
potato Y potyvirus, *Nicotiana tabacum* 48
tomato aspermy cucumovirus, *Nicotiana* 50
helminthoses
immunoglobulins, restriction fragment length polymorphism, sheep 4120
major histocompatibility complex, restriction fragment length polymorphism, sheep 881, 2248
T lymphocytes, restriction fragment length polymorphism, sheep 4120
immunology, genetic engineering, reviews, livestock 5351
malaria, haemoglobin, transgenics, mice 2817
molecular genetics
chitin, plants, reviews 1373
lectins, plants, reviews 1373
plants 3380, 5524
poultry, reviews 601
mutations, plants 5524
neoplasms, proto-oncogenes, restriction fragment length polymorphism, mice 1955
probiotics, intestinal microorganisms, livestock 4892
Pseudomonas aeruginosa, recombinant vaccines, major histocompatibility complex, mice 1188
restriction fragment length polymorphism, crops 2854
trypanosomiasis, gene mapping, cattle 1961
viruses
cytokines, targeted mutagenesis, mice, reviews 2860
immunoglobulins, targeted mutagenesis, mice, reviews 2860
Diseases
biotechnology, plants 3365-3366
diagnosis
reviews, livestock 5351
techniques, reviews, animals 5353
gene expression
Arabidopsis thaliana 3905
Nicotiana tabacum 3905, 4640
plants 3902
reviews 5789
gene therapy, antisense DNA, oligodeoxynucleotides 6174
genetic transformation, *Nicotiana tabacum* 3905

Diseases *cont.*
in vitro selection
plants 3416
temperate fruits 1710
leukocyte adhesion deficiency, genotypes, identification, restriction fragment length polymorphism, cattle 6452
molecular genetics, plants 3374, 3379
mutations, targeted mutagenesis, embryonic stem cells, mice 1749
proto-oncogenes, targeted mutagenesis, embryonic stem cells, mice 1751
restriction fragment length polymorphism, plants 3644
urogenital syndrome, gene mapping, restriction fragment length polymorphism, mice 1406
xeroderma pigmentosum, gene transfer, embryonic stem cells, chimaeras, mice 3875
Disulfide isomerase
gene expression
Glycine max 2473
Medicago sativa 2473
Nicotiana tabacum 2473
immunology
Glycine max 2473
Medicago sativa 2473
Nicotiana tabacum 2473
Diterpenes, tissue culture, *Scoparia dulcis* 4455
Dithiothreitol, gene expression, *Nicotiana tabacum* 6417
DNA (*see also* Antisense DNA; Mitochondrial DNA; Recombinant DNA; Repetitive DNA; Ribosomal DNA; Satellite DNA)
alternative splicing
fibroblast growth factors, receptors, kidneys, development, rats 5154
ion exchange, proteins, rats 5066
anther culture, *Vitis vinifera* 5414
archaeological material, polymerase chain reaction, techniques, books 4371
binding site
genes, tumour suppression, nucleotide sequences, mice 842
progesterone, receptors, fowls 815
books 2738
cloning
genes, isolation techniques, muscles, pigs 6241
Lactococcus lactis, techniques, patents 5939
techniques, restriction endonucleases, marker genes 6576
computer simulation, electrophoresis 4202
contamination
culture media, constituents, embryo transfer, livestock 2053
embryos, *in vitro* culture, livestock 2053
CpG islands
genes, number, mice 2555
isolation, DNA methylation, techniques 6565
databases 748, 750
denaturation, mutations, detection, polymerase chain reaction, techniques 2571
detection
blastocyst, polymerase chain reaction, cattle 962
embryos, polymerase chain reaction, cattle 962
electrophoresis, automation 5947
embryo culture, *Vitis vinifera* 5414
extraction
Daucus carota 6585
Proteaceae 6575
Prunus 6574
Rubus idaeus 6574
tissues, frozen, techniques, dogs 3102
Vitis 6574
flanking, amplification, polymerase chain reaction, techniques 3111
flow cytometry
books 2568
Cucumis sativus 2025
Gossypium hirsutum 4204

DNA *cont.*
flow cytometry *cont.*
Pinus 2033
Vaccinium 2023
Zea mays 4745
genetic polymorphism, polymerase chain reaction, electrophoresis, ethidium bromide 940
hypersensitivity, globins, gene mapping, fowls 5188
immunological techniques, *Zea mays* 5962
information services 748, 750
injection
embryos
in vitro development
cattle 1534, 4784
culture media, pigs 5967
pigs 5382
gene transfer, efficiency, skeletal muscle, mice 1664
muscles, gene expression, mice 4935
pipettes, embryos, mice 5946
yeast artificial chromosomes, gene transfer, mice 5950
integration
chromosomes, genome analysis, transgenics, mice 1127
detection, polymerase chain reaction, transgenics, techniques 3109
retroviral vectors, cell lines 5473
Retroviridae, body weight, heritability, mice 3305
isolation, cells, mammals, techniques 3130
isolation techniques
plants 6566
polymerase chain reaction, techniques 937
Trypanosomatidae 73
measurement, polymerase chain reaction, techniques 956
microinjection
embryos, transgenics, cattle 2068
transgenics, embryonic development, cattle 3693
mobility, electrophoresis, models 5340
molecular genetics 5327, 5332
Zea mays 6426
mutations, detection, electrophoresis, techniques 3113
nucleotide sequences
computer analysis 4508
metallothionein
fowls 1786
pheasants 1786
quails 1786
turkeys 1786
plant embryos, *Glycine max* 5201
polyadenylation, glutamate, receptors, rats 2334
polymerase chain reaction 5327, 5332
embryos
biopsy, cattle 4243
sex diagnosis, cattle 4799
splitting, cattle 4243
herbaria 5348
milk, cattle 1778
plants 5345
Zea mays 5345
polymorphism
detection, synthetic tandem repeats, gene mapping, mice 904
marker genes, gene mapping, cattle 6451
microsatellites, fishes, France 6490
purification
techniques 2562
cells 2558
heparin 945
tissues 2558
radiolabelling, polymerase chain reaction, techniques 3114
recombination, genes, reviews 6445
repetitive
restriction fragment length polymorphism
cattle 4690
insulin-like growth factor, sheep 4659
sheep 4668

DNA *cont.*
replication
initiation
DNA binding proteins, mice 5033
nucleotide sequences, mice 5033
restriction fragment length polymorphism
gene mapping, fishes 915
genes, lactoferrin, cattle 4520
inhibin, gene frequency, breed differences, sheep 4681
stearoyl-CoA desaturase, cattle 1423
restriction fragments, purification, techniques, HPLC 955
RNA, polymerase chain reaction, techniques 941
segments, gene symbols, mice 6488-6489
separation, electrophoresis, microprocessors 6568
somaclonal variation, *Aloe barbadensis* 1753
stretching, gene mapping, DNA hybridization, fluorescence, techniques 4754
structure
aviadenovirus, electron microscopy 1154
fluorescence, energy transfer, techniques 4212
proto-oncogenes, promoters, DNA binding proteins, mice 5170
synteny, DNA hybridization, chromosome painting, species, mammals 6493
synthesis, oocytes, activation, nuclei, transfer, cattle 2044
techniques 404, 5940
bacteria 4757
Daucus carota 6585
fungi 4757
plants 3654, 4758, 5957
Proteaceae 6575
Prunus 6574
Rubus idaeus 6574
Vitis 6574
Vitis vinifera 6582
transfection, reporter genes, cells, mammals 2768
triplex, psoralen, bacteriophages, targeted mutagenesis 153
typing, electrophoresis, two-dimensional, gene mapping, books 5465
uptake, receptors, endocytosis, cells, fowls 4956
DNA amplification
anther culture, *Nicotiana tabacum* 4109
development, *Dasypyrum villosum* 5792
Fusarium oxysporum, Lycopersicon esculentum 4186
nitrogenase, *Rhizobium* 170
nodulation, *Rhizobium* 170
polymerase chain reaction, blood, techniques 3121
repetitive DNA
Aegilops 5295
Dasypyrum villosum 5792
Lycopersicon esculentum 4186
retrogenes, rodents 5251
Triticum 5295
DNA binding proteins
abscisic acid, *Craterostigma plantagineum* 4634
acetyl-CoA carboxylase, promoters, transcription, rats 5187
acetylcholine, receptors, promoters, transcription, rats 5195
Adenoviridae, promoters, transcription, animals 5165
D-alanine transaminase
promoters
cell lines 249
rats 249
alcohol dehydrogenase, transcription, somatotropin, rats 1862
α-amylase, *Oryza sativa* 6447
anthocyanins, *Zea mays* 5639
arrestin, promoters, gene expression, mice 5737
c-AMP
response element
cell lines 1308
rats 1308

DNA binding proteins *cont.*
catalase, nucleotide sequences, rats 2901
ceruloplasmin, promoters, transcription, rats 3505
chloroplast genetics
Nicotiana tabacum 4633
Oryza sativa 5782
Spinacia oleracea 5782
chloroplasts, *Pisum sativum* 4644
chymotrypsin inhibitors, *Psophocarpus tetragonolobus* 3554
circadian rhythm, *Lycopersicon esculentum* 846
cloning, cauliflower mosaic caulimovirus 121
collagen, promoters, mice 3518
cytochrome P450 aromatase, transcription, rats 1310
cytochromes, promoters, liver, rats, cell lines 4585
cytokeratin, enhancers, mice 2987, 3515
detection, DNA hybridization, protein binding elements, techniques 4749
DNA, replication, initiation, mice 5033
DNA footprinting
Ipomoea batatas 5807
Raphanus sativus 5790
DNA methylation
gene expression, reviews 833
plants 1334
enhancers, transcription, regulation, mice 797
enkephalins, gene expression, brain, transgenics, mice 4405
ethylene, *Nicotiana tabacum* 1361
α-fetoprotein, targeted mutagenesis, transcription, rats 3504
fibronectins, promoters, c-AMP, response element, rats 3533
flavonoids, *Zea mays* 5800
G proteins, *Pisum sativum* 1459
gene expression 5665
Agrobacterium tumefaciens 2380
Antirrhinum majus, reviews 278
Arabidopsis thaliana 1349, 5526
reviews 278
Avena sativa 4101
Coix lacryma-jobi 4117
Hordeum vulgare 2475
Lotus corniculatus 5820
Lycopersicon esculentum 3488
mice 784
Nicotiana tabacum 321, 4117
Oryza sativa 4101
Petroselinum crispum 5526, 5805
Pharbitis nil 1932
plants, reviews 278
Raphanus sativus 5790
testes, mice 5719
Zea mays 292, 2481, 4117, 5224
reviews 278
gene mapping
DNA hybridization, mice 1958
microsatellites, electrophoresis, mice 1933
restriction fragment length polymorphism
electrophoresis, mice 1933
mice 1958
genes
Brachyury, mice 251
homeo box
cell lines 2397
gene expression, mice 3503, 5736
mice 2415
promoters, fowls 5167
genetic engineering, *Zea mays* 292
genetic transformation
Lotus corniculatus 5820
Nicotiana tabacum 4117, 5833
Zea mays 292
gibberellins, *Oryza sativa* 6447
globins
gene expression
haematopoiesis, mice 5574
testes, mice 5574
promoters, cell lines, mice 5759
growth factors, transcription, mice 1849
heat shock, transcription factors, mice 2401

DNA binding proteins *cont.*
heat shock proteins, promoters, gene expression, rats 3000
histones, *Zea mays* 276
immunoglobulins, promoters, mice 4063
insulin, transcription, rats 6345
insulin-like growth factor, promoters, gene expression, cell lines 2996
interferon, preimplantation, trophoblast, promoters, gene expression, sheep 5160
interleukins, promoters, mice 5141
kininogens, promoters, transcription, interleukins, rats 2388
lactoferrin, transcription, oestrogens, receptors, mice 3521
leghaemoglobin, *Sesbania rostrata* 1383
light, *Lycopersicon esculentum* 846
molecular genetics 6758
Pisum sativum 6300
Zea mays 5224
mutations, *Zea mays* 3039
myosins
cell lines 1865
gene expression
mice 1865
muscles, rats 5621
nucleotide sequences, mice 1865
nucleotide sequences 5665
Agrobacterium tumefaciens 2380
Arabidopsis thaliana 224, 747, 1349, 5119, 5526
Avena sativa 5120
cattle 2343
Lycopersicon esculentum 3488
Medicago sativa 230
mice 694, 784, 1958, 2343, 3964
muscles, rats 5621
mutations, mice 5496
Nicotiana tabacum 3497, 5812
Oryza sativa 4101
Petroselinum crispum 5526
Pharbitis nil 1932
Pisum sativum 6300
rats 188
Solanum tuberosum 6264
testes, mice 5719
Zea mays 5639, 6289
osteonectin, promoters, cattle 2993
pathogenesis-related proteins, *Nicotiana tabacum* 1361
peroxidases, gene expression, thyroid gland, rats 2980
β-phaseolin, *Phaseolus vulgaris* 5214
phlobaphene, *Zea mays* 5800
phytochrome, *Avena sativa* 5120
plasminogen activator, nucleotide sequences, pigs 804
prolactin
DNA methylation, rats 5339
gene expression
inhibition, rats 4035
sheep 3987
proline-rich proteins, gene expression, salivary glands, rats 188
promoters
Agrobacterium tumefaciens 2380
Arabidopsis thaliana 5526
Avena sativa 4101
Coix lacryma-jobi 4117
gene expression, muscles, development, mice 791
Glycine max 5820
Hordeum vulgare 2475
Nicotiana tabacum 321, 5833
Oryza sativa 4101, 5782
Petroselinum crispum 5526
restriction fragment length polymorphism, mice 791
Spinacia oleracea 5782
Zea mays 4117
prostate, promoters, regulation, androgens, receptors, cell lines 2984
proto-oncogenes
promoters
DNA, structure, mice 5170
mice 5180
transcription, fowls 5155
repetitive DNA, *Cucumis sativus* 352
restriction analysis
Oryza sativa 5782

DNA binding proteins *cont.*
restriction analysis *cont.*
Spinacia oleracea 5782
retinoic acid, enhancers, gene expression, mice 3530
ribonucleoside-diphosphate reductase, gene expression, mice 2318
ribosomal DNA
Cucumis sativus 352
Triticum aestivum 844
small nuclear RNA, *Arabidopsis thaliana* 4089
somatostatin
gene expression
intestines, rats 2997
pancreas, rats 2997
nucleotide sequences, rats 2997
somatotropin
promoters
pituitary, fishes 3010
transcription, fishes 2979
spermatogenesis, rats 2384
starch synthase, *Oryza sativa* 307
surfactants, enhancers, rabbits 5727
techniques, *Pisum sativum* 1459
telomeres, reviews 5678
thyroprotein, receptors, promoters, c-AMP, response element, rats 2416
transcription
activation, chromatin, structure, reviews 5243
enkephalins, promoters, spermatogenesis, transgenics, mice 1126
inhibition, cell lines, mice 5168
lymphocytes, mice 839
rats 5162
reviews 5245
RNA polymerase, reviews 5244
transcription factors, *Glycine max* 5820
transferrin, promoters, transcription, liver, transgenics, mice 5190
transposable elements, *Nicotiana tabacum* 1243
tyrosine 3-monooxygenase, transcription, rats 5738
vimentin, silencers, fowls 3512
Zea mays 272
DNA conformation
genes, sex determination, RNA, splicing, mice 767
molecular genetics, *Zea mays* 4083
DNA content
cell division, *Pisum sativum* 4828
DNA probes, *Zea mays* 5935
embryo culture, *Pisum sativum* 4828
in vitro selection, *Allium sativum* 2880
molecular genetics, plants 1443
somaclonal variation, *Allium sativum* 2880
DNA fingerprinting 1995
(*see also* Restriction fragment length polymorphism)
Australia 5344
body weight, fowls 2505, 3053
books 2496-2497, 2505, 2525, 2534, 2743
Brassica campestris 3093
Brassica oleracea 3093
breed differences
cattle 6467
fowls 6588
chloroplast genetics, *Eucalyptus* 4703
coefficient of relationship, cattle 2524
crops 1976
Cryphonectria parasitica 2588
DNA probes, fowls 3583
dogs, books 2511
fishes 880
flocks, variation, sheep 3596
food consumption, fowls 2505
food conversion, fowls 2505
fowls 5252
genes, Booroola, linkage, sheep 2502
Giardia lamblia 5519
growth, linkage, mice 2496
inbred strains
genetic contamination
mice 1959
rats 1959
laying performance, fowls 2505
line differences, Japanese quails 5862

Lotus japonicus 1343
major histocompatibility complex, livestock 2497
Malus hupehensis 394
Malus scheideckeri 394
microorganisms, polymerase chain reaction 1144
micropropagation, *Rubus idaeus* 386
Mycosphaerella graminicola 447
parentage
beef herds, cattle 5338
cattle 1948
dogs 4130
fishes 1420
horses 3076
livestock, reviews 5337
statistical analysis, cattle 4660
paternity, horses 371
Plantago 3095
polymerase chain reaction, reviews 6560
random amplified polymorphic DNA
Cryptococcus neoformans 2246
primers, rats 2566
reviews 6560
relationships, eukaryotes 2018
reviews 5322
satellite DNA
fishes 3597
species differences, vertebrates 3067
techniques, reviews 4203
Solanum tuberosum 1976
species differences, fishes 4201
T lymphocytes, receptors, livestock 2497
techniques, crops 3643, 3650
Trifolium pratense 3092
Triticum aestivum 5305
variety classification
Oryza 6548
Oryza sativa 6548

DNA footprinting
alcohol dehydrogenase, *Zea mays* 323, 4638
β-amylase, *Ipomoea batatas* 5807
casein, promoters, rats 3007
DNA binding proteins
Ipomoea batatas 5807
Raphanus sativus 5790
DNA sequencing, polymerase chain reaction, techniques 2032
glutenins, *Triticum aestivum* 295, 4086
histones, *Zea mays* 276
matrix associated regions, *Zea mays* 323
polymerase chain reaction, techniques, reviews 5948
ribosomal DNA, *Raphanus sativus* 5790
techniques, polymerase chain reaction 950
whey protein, promoters, rats 3007

DNA hybridization 4213
accessory chromosomes
Secale cereale 1973
Zea mays 2346
activin, gene expression, rats 4033
acyl-acyl-carrier-protein desaturase, *Brassica napus* 2438
adenosinetriphosphatase, gene mapping, pigs 900
Agaricus bisporus 1436
D-amino-acid oxidase, gene mapping, pigs 906
angiotensin, receptors, gene mapping, rats 4680
anthers, *Sinapis alba* 744
apolipoproteins, mice 362
B lymphocytes, antigens, gene mapping, mice 4141
books 6756
casein
gene mapping
cattle 893
goats 893
sheep 893
catalase, *Ricinus communis* 4167
centromeres, *Zea mays* 2346
chlorophyll *a/b* binding protein, *Triticum aestivum* 6546
chromosome addition
Elymus farctus 6439
Triticum 6439
chromosome painting, DNA, synteny, species, mammals 6493

DNA hybridization *cont.*
chromosome pairing
Elymus farctus 1901
Triticum durum 1901
chromosome translocation, detection, fluorescence 4756
chromosomes
gene mapping, rats 1965
repetitive DNA
cattle 3615
sheep 3615
complement, gene mapping, pigs 6462
conglutinin, gene mapping, cattle 3056
cruciferin, *Brassica napus* 3570
diagnosis, sampling, techniques, efficiency, bovine herpesvirus 1506
DNA binding proteins
detection, protein binding elements, techniques 4749
gene mapping, mice 1958
DNA probes
labelling, digoxigenin, techniques 3127
reviews 3662
techniques 3662
DNA sequencing
oligonucleotides, probes, photolithography, techniques 5321
techniques 938, 5319
drug resistance, gene mapping, rats 374
Elymus farctus 1986
evolution, *Avena sativa* 4717
Festuca rubra 1875
fluorescence
gene mapping, DNA, stretching, techniques 4754
labelling 3133
fluorescence microscopy, cytogenetics, reviews 6563
follistatin, gene mapping, pigs 6462
fruits, *Prunus persica* 5850
β-galactoside, binding proteins, gene mapping, mice 357
gene expression
analysis, embryos, mice 264
homeo box, embryos, fowls 5735
Oryza sativa 1918
gene mapping
calcium, channels, mice 6228
ceruloplasmin
pigs 2499
rats 5254
computer software 5955
dipeptidyl-peptidase IV, pigs 1963
enzymes, buffaloes 1409
glucose-6-phosphate isomerase, pseudogenes, pigs 1945
HCG, pigs 1407
immunoglobulins, buffaloes 1946
interferon
cattle 2500
goats 3598
sheep 3598
lactalbumin
cattle 1947
goats 1947
sheep 1947
lactoperoxidase
cattle 1947
goats 1947
sheep 1947
metallothionein, rats 5254
mice 1940
repetitive DNA, X chromosome, hamsters 2536
retinoblastoma
cattle 1947
goats 1947
retinoblastoma-1, rats 4685
retinoblastoma, sheep 1947
satellite DNA
horses 3617
pigs 3609
seminal vesicles, proteins, mice 717
serotonin, receptors, mice 2909
techniques
polymerase chain reaction, cell lines 2027
reviews 4209
genomes, *Brassica* 1992

DNA hybridization *cont.*
glucose-regulated protein, gene mapping, pigs 906
glycoproteins, microfibrils, gene mapping, mice 2389
gynogenesis, fishes 4123
hordein, *Hordeum vulgare* 929
insertional mutagenesis, gene mapping, mice 6165
interferon, gene mapping, livestock 896
intergeneric hybridization
Elymus farctus 6439
Triticum 6439
interleukins, gene mapping, cattle 1935
leukocytes, antigens, gene mapping, rats 916
Lilium longiflorum 6398
major histocompatibility complex, gene mapping, livestock 896
microsatellites
gene mapping
cattle 4684
pigs 6462
mycoplasma-like organisms, *Circulifer tenellus, Lycopersicon esculentum* 3373
NADH dehydrogenase (ubiquinone), plants 5903
neurotensin, gene mapping, sheep 1424
nodulation, *Rhizobium leguminosarum* 169
nuclear localization sequences
Nicotiana tabacum 303
Zea mays 303
nuclei
Nicotiana tabacum 303
Zea mays 303
nucleolus organizer
Gossypium hirsutum 4158
Secale cereale 1872
oleosins, *Brassica napus* 2438
ornithine carbamoyltransferase, gene mapping, fowls 885
pancreas islets, regeneration, gene mapping, rats 5616
phosphoenolpyruvate carboxylase, *Triticum aestivum* 6546
phytochrome, *Triticum aestivum* 6546
plasminogen activator, gene mapping, pigs 906
polygalacturonase, *Prunus persica* 5850
radionuclides, gene expression, inactivation, techniques 3653
repetitive DNA
chromosomes, telomeres, fowls 1956
Glycine max 5893
Rumex acetosa 4560
Secale cereale 1872, 1913, 1973
triticale 1913
Y chromosome, gene mapping, cattle 6502
Zea mays 2346
reviews 3656
ribosomal DNA
Aegilops 5924
Aegilops cylindrica 5924
Arabidopsis 1439
Avena sativa 4717
Brassica 1992
cereals 4169
Gossypium hirsutum 4158
Hordeum 4169
Olea europaea 6510
Oryza 5277
Oryza sativa 2008
Pisum sativum 4207
Scilla scilloides 6532
Triticum 5924
Triticum aestivum 5924
ribulose-bisphosphate carboxylase, *Triticum aestivum* 6546
ripening, *Prunus persica* 5850
satellite DNA, gene mapping, cattle 3620
seeds, *Brassica napus* 2438
sensitivity, chemiluminescence, techniques 5943
sex, *Rumex acetosa* 4560
sodium, exchangers, gene mapping, rats 6501
somatotropin, receptors, gene mapping, pigs 6462

DNA hybridization *cont.*
subtraction, DNA libraries, embryos, mammals 3660
symbiosis, *Rhizobium* 5018
taxonomy
Hordeum 4151
Leymus 4151
Psathyrostachys 4151
techniques 3128, 3659, 3669, 6756
Arabidopsis thaliana 5219, 5937
B-hordein, *Hordeum vulgare* 3098
books 2569
plants 1359, 1465, 5937
Tilletia indica, Triticum aestivum 4188
triacylglycerol lipase, gene mapping, pigs 906
Triticeae 6572
Triticum aestivum 1986, 2545
uridine monophosphate synthase, gene mapping, cattle 3071
vitronectin
Glycine max 5313
Lilium longiflorum 5313
Vulpia fasciculata 1875
DNA isolation
techniques
Gossypium hirsutum 1454
Nicotiana 3124
plants 1455, 1462, 1465, 2035, 3116, 3124
Vicia faba 1462
DNA libraries
adenosinetriphosphatase, *Oryza sativa* 385
chromosome jumping, construction, techniques 5342
chromosome translocation, gene mapping, cattle 6495
chromosomes
dissection, mammals 179
flow cytometry, mice 3610
construction
chromosomes
dissection, gene mapping, cattle 6495
Plasmodium chabaudi 68
microsatellites, techniques 943
normalization, techniques 4216
Retroviridae, vectors, mice, cells 3668
vectors, bacteriophages 3317
contamination, detection, nucleotide sequences, statistical analysis 755
cosmids, *Oryza sativa* 5896
cytoplasmic male sterility, *Oryza sativa* 385
DNA hybridization, subtraction, embryos, mammals 3660
immunoglobulins, fishes 6238
intestines, pigs 5071
microcloning, mammals 179
screening
cloning
reviews 3663
techniques 3663
stress, *Oryza sativa* 6716
subtractive, polymerase chain reaction, techniques 3108
techniques 3129
plants 1463, 4743
yeast artificial chromosomes
Beta vulgaris 6522
Oryza sativa 5927
Zea mays 5908
DNA methylation
analysis, techniques 3106
anthocyanins, *Zea mays* 2351
assays, polymerase chain reaction 2029
detection, brain, development, techniques, mice 5152
differentiation, muscles, mice 5149
dihydrokaempferol 4-reductase, *Petunia hybrida* 5832
DNA, CpG islands, isolation, techniques 6565
DNA binding proteins
gene expression, reviews 833
plants 1334
DNA methyltransferase, mammals, reviews 5136
DNA methylation *cont.*
embryonic development, mice, reviews 2982
embryos, pigs 6343
gene expression 1386
Bryonia cretica 290, 2446
Linum usitatissimum 4611
Lycopersicon esculentum 1892
transgenics, mice 2234
gene transfer, vectors, Adenoviridae, insertional mutagenesis, reviews 4385
genes
H19, genomes, imprinting, embryos, mice 775
imprinting, mice 5717
genetic transformation 1386
Petunia hybrida 5225
Triticum aestivum 3852
genomes
imprinting
embryonic development, mice 764
mammals, reviews 2419
mice, reviews 4056
reviews 6339
immunoglobulins
recombination, mice 5726
transcription, enhancers, B lymphocytes, mice 4047
imprinting, mammals, reviews 5179
insulin-like growth factor, mice 3106
Nicotiana tabacum 5854
nucleotide sequences, CpG islands, mammals, reviews 5565
patterns, development, mammals, reviews 5171
polymerase chain reaction, techniques, reviews 5948
prolactin, DNA binding proteins, rats 5339
repetitive DNA, *Amaranthus cruentus* 4105
restriction fragment length polymorphism, *Zea mays* 1756
reviews 6446
ribosomal RNA, *Osmunda regalis* 1271
seeds, *Zea mays* 5785-5786
somaclonal variation, *Zea mays* 1756
spermatozoa, pigs 6343
tissue culture, *Solanum tuberosum* 6630
transposable elements
Nicotiana tabacum 1376
Zea mays 5841
variegation, *Zea mays* 5785-5787
DNA methyltransferase
DNA methylation, mammals, reviews 5136
genomes, imprinting, gene expression, mice 1856
DNA photolyases
gene expression, *Arabidopsis thaliana* 3024
gene tagging, *Arabidopsis thaliana* 2345
molecular genetics
Arabidopsis thaliana 3024
plants 2432
nucleotide sequences, *Arabidopsis thaliana* 2345
DNA polymerase
DNA replication, *Triticum* 2428
mitochondrial genetics, *Secale cereale* 2938
molecular genetics, *Petunia hybrida* 4599
nucleotide sequences
African swine fever virus 2828
Secale cereale 2938
targeted mutagenesis, T lymphocytes, mice 6208
DNA primase
DNA replication, *Triticum aestivum* 6400
molecular genetics, *Triticum aestivum* 6400
nucleotide sequences, *Rickettsia prowazekii* 1149
DNA probes
beet cryptic III alphacryptovirus, *Beta vulgaris* 136
books 3656-3657, 3661-3663, 3670, 3832, 6756
chromosome mapping, centromeres, mice 6476
DNA probes *cont.*
chromosome maps, mice 1941, 3610
chromosomes, detection, mice 3048
databases 753
detection
Anaplasma marginale 2037
Babesia bigemina 2037
Babesia bovis 2037
bacteria, milk products 2579
chicken anaemia virus 1468
chimaeras, ovaries, mice 4404
Cryptosporidium baileyi 2039
Cryptosporidium muris 2039
Cryptosporidium parvum 2039
Escherichia coli, livestock 1500
genes, mini-exon, *Endotrypanum schaudinni* 2576
Mycoplasma gallisepticum 1495
mycoplasma-like organisms 2589
mycotoxins, foods, reviews 2595
restriction fragment length polymorphism
Theileria parva
Kobus ellipsiprymnus 6173
Synceros caffer 6173
Salmonella 2580
Staphylococcus, phagocytes, mice 5355
Theileria 4222
diagnosis
bovine herpesvirus 421
rotavirus, pigs 1497
disease resistance, crops 2854
DNA content, *Zea mays* 5935
DNA fingerprinting, fowls 3583
DNA hybridization
reviews 3662
techniques 3662
endosperm, *Zea mays* 5935
flow cytometry, chromosomes, rats 4208
Gaeumannomyces graminis 427
Geminivirus, crops 442
halothane susceptibility, breeding programmes, pigs 4773
identification
mycorrhizal fungi 429
rust fungi 429
isolation, fluorescence, DNA hybridization, gene mapping, pigs 3079
La France disease, mushrooms 443
labelling
chemicals
reviews 3657
techniques 3657
digoxigenin, DNA hybridization, techniques 3127
enzymes
reviews 3657
techniques 3657
lectins, linkage, major histocompatibility complex, fowls 3047
Meloidogyne, Lycopersicon esculentum 378
Mycosphaerella fijiensis, Musa 435
Mycosphaerella musicola, Musa 435
paternity, cattle 1421
pedigree, cattle 1421
pollutants, biodegradation, bacteria, monitoring 2703
polymerase chain reaction
infectious bronchitis virus, diagnosis, fowls 1489
Mycoplasma iowae 1509
protein synthesis, initiation factors, gene mapping, mice 908
radiolabelling
reviews 3661
techniques 3661
recombinant DNA, yeast artificial chromosomes, techniques 6586
repetitive DNA
mycorrhizal fungi 429
rust fungi 429
retinoblastoma, gene mapping, hamsters 5256
ribosomes, mice 2900
satellite DNA, gene mapping, sex chromosomes, pseudoautosomal region, pigs 3072
sex, *Mercurialis annua* 422

DNA probes *cont.*
sex chromosomes, polymorphism, fishes 6589
sex determination, fishes 3597
sibling species, identification, *Anopheles quadrimaculatus* 1485
species differences, cattle, buffaloes 1388
strains, identification, haemorrhagic septicaemia virus 1470
techniques 2594, 6756
books 2569
tomato yellow leaf curl bigeminivirus, *Lycopersicon esculentum* 3674
transcription factors, mice 3520
tryptophan-tRNA ligase, gene mapping, cattle 892
viruses, mushrooms 443
Y chromosome
restriction fragment length polymorphism, cattle 4662
sex diagnosis, embryos, polymerase chain reaction, pigs 5352
DNA repair
endonucleases, *Nicotiana tabacum* 2462
enzymes, polymerase chain reaction, enhancement, *Borrelia burgdorferi* 3115
genes
gene expression, mice 190
nucleotide sequences, mice 190
molecular genetics, *Petunia hybrida* 4599
photolyases, *Sinapis alba* 722
proteins
gene mapping, mice 3980
nucleotide sequences, mice 3980
recombination, nucleotide sequences, fowls 5022
transposable elements, plants 1375
DNA replication
chloroplast genetics 299
Glycine max 1895
Crithidia fasciculata 55
DNA polymerase, *Triticum* 2428
DNA primase, *Triticum aestivum* 6400
genomes, imprinting, mice 2994
germination, *Arachis hypogaea* 4657
globins, deoxyribonuclease I, hypersensitivity, fowls 4029
initiation, immunoglobulins, mice 787
kinetin, *Hordeum vulgare* 4648
maize streak monogeminivirus, *Zea mays* 3131
yeast artificial chromosomes, cell lines, mice 5559
DNA sequencing (*see also* Gene sequencing; Nucleotide sequences)
automation 5947
books 5460
biosensors, automation, techniques 4744
cloning, techniques 3134
deletions, production, plasmids, vectors 944
DNA footprinting, polymerase chain reaction, techniques 2032
DNA hybridization
oligonucleotides, probes, photolithography, techniques 5321
techniques 5319
electrophoresis
capillary gels, electric field strength, techniques 4752
techniques 3117, 3126, 4217, 5938
image analysis 3666
fluorescent dyes
electrophoresis, capillary gels, techniques 4736, 4747
flow cytometry, nucleotides, detection, lasers, techniques 4746
genomes, reviews 6583
image processors, techniques 756
labelling, isotopes, spectroscopy, techniques 4748
oligonucleotides, primers, computer simulation 4737
polymerase chain reaction, panhandle method, gene mapping, techniques 3112
pulsed field electrophoresis
computer software, image processors, techniques 4753
techniques, image analysis 3666
DNA sequencing *cont.*
spectrometry
lasers
techniques 4739
vaporization, techniques 4751
techniques
DNA hybridization 938
polymerase chain reaction 939, 950
DNA topoisomerase
gene expression, brain, rats 5762
gene mapping, mice 673, 3582
molecular genetics, *Cucurbita pepo* 1924
mutations, cell lines 2340
nucleotide sequences
brain, rats 5762
cell lines 2340
mice 673, 3582
rats 2918
Dodecenoyl-CoA Δ-isomerase, nucleotide sequences, mice 1787
Dogs
apolipoproteins
gene expression, inflammation 1785
nucleotide sequences 1785
blood coagulation factors, retroviral vectors, gene therapy, haemophilia 2765
bone marrow cells, cell culture, gene transfer, retroviral vectors 2215
Borrelia burgdorferi, detection, ELISA 3141
collagen, nucleotide sequences 5089
Coxiella burnetii, detection, polymerase chain reaction 3154
DNA, extraction, tissues, frozen, techniques 3102
DNA fingerprinting, books 2511
Ehrlichia risticii, ribosomal DNA, nucleotide sequences 2827
ELISA
detection
cells, blood 2572
selectins 2575
diagnosis, anaemia 2572
genes
androgens
receptors
satellite DNA
nucleotide sequences 3453
restriction fragment length polymorphism 3453
glycoproteins, immunoglobulins, nucleotide sequences 4514
insulin-like growth factor, nucleotide sequences 2889
luciferase
gene expression, arteries, gene therapy 11
gene transfer, liposomes, arteries 11
microsatellites, detection, techniques, polymerase chain reaction 2030
minisatellites
marker genes 2525
paternity 2525
mitochondrial DNA, restriction fragment length polymorphism 5869
mucins
nucleotide sequences 714
transcription 714
parentage, DNA fingerprinting 4130
potassium
channels
gene expression, smooth muscle, colon 5045
nucleotide sequences, smooth muscle, colon 5045
proteins, translocation complex, endoplasmic reticulum, nucleotide sequences 2898
random amplified polymorphic DNA 4686
repetitive DNA, restriction fragment length polymorphism 2528, 6482
reporter genes
gene expression 2758
gene transfer, retroviral vectors, liver cells 2758
restriction fragment length polymorphism 894
proto-oncogenes 5860
Dogs *cont.*
ribosomal DNA, restriction fragment length polymorphism 3059
satellite DNA 2511
genetic polymorphism 895
parentage 1942
spectrins, nucleotide sequences 711
T lymphocytes, receptors, nucleotide sequences 3975
thyroid diseases, gene therapy 1666
thyroid gland, cells, gene transfer, retroviral vectors 1666
triacylglycerol lipase
gene expression 780
nucleotide sequences 780
Trypanosoma cruzi, detection, ELISA 4223
von Willebrand factor, repetitive DNA, restriction fragment length polymorphism 6498
Domestication, restriction fragment length polymorphism, *Phaseolus vulgaris* 5267
L-DOPA, cell culture, *Mucuna pruriens* 151
Dopamine
antagonists
oocytes, maturation, fishes 6066
spawning, induction, fishes 4326, 6062
receptors
gene expression, rats 4588
nucleotide sequences
mice 777
rats 4588
RNA
alternative splicing
mice 777
rats 4588
transporter, gene mapping, restriction fragment length polymorphism, mice 4682
Doritaenopsis, tissue culture, micropropagation 3217
Dormancy
gene expression
Avena fatua 4078
Hordeum vulgare 4067
Pseudotsuga menziesii 4652
nucleotide sequences, *Hordeum vulgare* 4067
Drosera spathulata, tissue culture 1543
Drosophila, globins, gene expression, transgenics 770
Drosophila melanogaster
γ-aminobutyric acid, mutations, insecticide resistance, animal models 2171
molecular genetics, insecticide resistance 6179
Drought
gene expression
Arabidopsis thaliana 5092, 5704
Helianthus annuus 2173
Pisum sativum 4098
nucleotide sequences, *Arabidopsis thaliana* 5092
promoters, *Arabidopsis thaliana* 5092
Drought resistance
gene expression
Arabidopsis thaliana 2722
Lycopersicon esculentum 1345, 4539
Lycopersicon pennellii 1345
plants 542
genetic engineering, plants 542
in vitro selection, *Zea mays* 4354
nucleotide sequences
Lycopersicon chilense 3471
Lycopersicon esculentum 4539
promoters, *Arabidopsis thaliana* 2722
Drug delivery systems, liposomes, Japanese encephalitis virus, mice 4441
Drug resistance
gene mapping, DNA hybridization, rats 374
genes, targeted mutagenesis, embryonic stem cells, liver diseases, mice 1748
kinesin, inhibition, cell lines, mice 5328
nucleotide sequences, gene expression, rats 765
targeted mutagenesis, gene expression, corticotropin, cell lines 2286

Drug resistance *cont.*
β-tubulin, restriction fragment length polymorphism, *Haemonchus contortus* 4424
Drugs, screening, opioid peptides, receptors, gene expression, cell lines 3460
Duboisia leichhardtii
restriction fragment length polymorphism, interspecific hybridization 1441
tissue culture
alkaloids 4464
phenyllactic acid 4464
Duboisia myoporoides, restriction fragment length polymorphism, interspecific hybridization 1441
Ducks
cytochrome-*c* oxidase, nucleotide sequences 5600
globins
enhancers, nucleotide sequences 5614
silencers, nucleotide sequences 5614
Plasmodium, detection, ELISA 3142
repetitive DNA, genome analysis 2522
Dwarfism
gene mapping, molecular genetics, mice 1936
somatoliberin, receptors, mutations, mice 4127
somatotropin, receptors, mutations, nucleotide sequences, fowls 1304
Dynamin
gene expression, rats 259
nucleotide sequences, rats 259
Dynein, nucleotide sequences, rats 198
Dystocia, embryo transfer, cattle 2060
Dystrophin
gene transfer
muscles, gene therapy, muscular dystrophy, mice 4387
muscular dystrophy, gene therapy, mice 3327
glycoproteins
gene expression, muscles, rabbits 2412
nucleotide sequences, rabbits 2412
Eastern equine encephalitis virus
detection
polymerase chain reaction
Anopheles crucians 3155
Culex erraticus 3155
emus 3155
Eastern Europe
biotechnology
organization of research 1096
patents, legislation 3803
Eccoilopus
chloroplast genetics, evolution 4189
restriction fragment length polymorphism, evolution 4189
Ecdysterone, tissue culture, *Ajuga reptans* 5546
Echinochloa, random amplified polymorphic DNA, evolution 6531
Echinococcus granulosus, repetitive DNA, nucleotide sequences 72
Economic impact
biotechnology
agriculture 3794
Asia 3795
Developing Countries 6724
Economics
ammonia, biofilters, nitrogen fixation, pigs 2696
anther culture, Latin America 3765
aquaculture, biotechnology, genetic resources, Developing Countries 2725
biotechnology 6721
conferences 6739
companies, research policy, USA 2182
food, biotechnology 4359
genetic improvement, breeding programmes, livestock 3270
poultry manure
anaerobic digestion, environment 2698
combustion, environment 2698
composting, environment 2698
Ecotypes, restriction fragment length polymorphism, *Arabidopsis thaliana* 1985
Edible fungi, protoplasts, techniques 2115
Education
biotechnology, public opinion 3280
in vitro culture, plants, books 3834
Egg proteins, lysozyme, transgenics, immune tolerance, self tolerance, T lymphocytes, mice 3339
Ehrlichia risticii, ribosomal DNA, nucleotide sequences, dogs 2827
Eimeria tenella, ELISA, detection, fowls 4231
Elaeis, tissue culture, somatic embryogenesis 1028
Elaeis guineensis
embryo culture, somatic embryogenesis 1030
tissue culture
India 2099
somatic embryogenesis 4296
Elastin, restriction fragment length polymorphism, sheep 373
Electric current
embryos, fusion, *in vitro* development, mice 6610
oocytes
in vitro fertilization, male pronucleus, pigs 2664
parthenogenesis, induction, cattle 4872
ova, *in vitro* fertilization, male pronucleus, pigs 2664
protoplasts, *Helianthus annuus* 1540
Electron microscopy
aviadenovirus, DNA, structure 1154
oligonucleotides, transport, cell membranes 4938
Electrophoresis
Agaricus bisporus 2028
capillary gels
DNA sequencing, fluorescent dyes, techniques 4736, 4747
electric field strength, DNA sequencing, techniques 4752
computer simulation, DNA 4202
DNA
automation 5947
mobility, models 5340
mutations, detection, techniques 3113
separation, microprocessors 6568
DNA binding proteins
gene mapping
microsatellites, mice 1933
restriction fragment length polymorphism, mice 1933
DNA sequencing
techniques 3117, 3126, 4217, 5938
image analysis 3666
ethidium bromide, DNA, genetic polymorphism, polymerase chain reaction 940
gels, RNA, isolation, techniques 946
gene mapping, *Zea mays* 4731
immunological techniques, books 6747
microsatellites, polymorphism, polymerase chain reaction, staining, silver 5323
molecular genetics, books 6747
two-dimensional, DNA, typing, gene mapping, books 5465
Electroporation
gene transfer
adipocytes, rats 4759
fishes 564
spermatozoa, fishes 1136, 3846
techniques 4957
transfection, temperature, cell lines 2769
vectors, bacteriophages, recombinant DNA 4386
Elettaria cardamomum, tissue culture, India 2099
Eleusine
gene expression
isocitrate dehydrogenase 2484
phosphogluconate 2-dehydrogenase (decarboxylating) 2484
Eleusine coracana
in vitro selection
regenerative ability 6220
tillering 6220
mutations
regenerative ability 6220
Eleusine coracana *cont.*
mutations *cont.*
tillering 6220
somaclonal variation
regenerative ability 6220
tillering 6220
Elicitors
cell culture, *Datura stramonium* 1730
gene expression
Arabidopsis thaliana 5526
Lycopersicon esculentum 5532
Petroselinum crispum 5526
Phaseolus vulgaris 3580, 6175
mutations, *Lycopersicon esculentum* 5532
nucleotide sequences
Arabidopsis thaliana 5526
Petroselinum crispum 5526
promoters
Arabidopsis thaliana 5526
Petroselinum crispum 5526
RNA binding proteins, *Phaseolus vulgaris* 3580
ELISA
Actinobacillus pleuropneumoniae, pigs 1474
alachlor
soil 448
water 448
antigens, diagnosis, caprine arthritis encephalitis virus 413
atrazine
soil 450
water 450
aviadenovirus, antigens, detection, fowls 417
Bordetella bronchiseptica
guineapigs 1472
rabbits 1472
carrier state, detection, *Salmonella dublin,* cattle 1484
cyanazine
soil 450
water 450
cymbidium mosaic potexvirus, Orchidaceae 434
detection
aflatoxins
Aspergillus oryzae 3157
Aspergillus sojae 3157
foods 5358
antibiotic residues, milk 4226
antibiotics, milk 4768
Babesia bigemina 4229
Babesia bovis 4229
Bacillus cereus, milk 3140
barley yellow dwarf luteovirus 3673
beet western yellows luteovirus 2587
blood, bovine leukosis 1475
Boophilus microplus, cattle 4428
Borna disease virus, ostriches 1491
Borrelia burgdorferi 4764
dogs 3141
horses 3141
urine, mice 3147
bovine oncovirus 2584
cells, blood, dogs 2572
Chlamydia psittaci 2585
pigeons 2583
Crimean-Congo haemorrhagic fever virus 3138
dieldrin, milk, cattle 4227
Eimeria tenella, fowls 4231
ferritin, horses 2582
galactomannan 2581
goats, milk, adulteration, sheep, milk 4766
herbicides 430
foods 5358
Hypoderma lineatum, cattle 4772
immune response, *Trypanosoma cruzi,* dogs 4223
milk
adulteration
reviews 4769
sheep, goat milk 4225
bovine leukosis 1475
mycoplasma-like organisms 2589
mycotoxins
cereals, USA 4777
foods, reviews 2595

ELISA *cont.*
detection *cont.*
pea seed-borne mosaic potyvirus 3672
Plasmodium, ducks 3142
potato leaf roll luteovirus 2587
prolactin, rats 4765
prune dwarf ilarvirus 2592
prunus necrotic ringspot ilarvirus 2592
Pythium ultimum 2593
Renibacterium salmoninarum 2578
rinderpest virus 1479
Salmonella, foods 5358
Salmonella typhimurium 2038
Sarcocystis cruzi, cattle 3152
selectins, dogs 2575
somatotropin, blood, cattle 4763
Staphylococcus aureus 4228
streptomycin, milk 4768
terbuthylazine 430
testosterone, cattle 4230
Trichinella, pigs 2574
Trypanosoma cruzi 4771
urine, bovine leukosis 1475
vesicular stomatitis virus
cattle 3137
horses 3137
pigs 3137
sheep 3137
diagnosis
anaemia, dogs 2572
aspergillosis, cattle 2581
avian influenzavirus, turkeys 1486-1487
canine parvovirus 1501
Chlamydia psittaci 1492
equine herpesvirus 1480
Escherichia coli 1481
mastitis 4228
Mycoplasma mycoides 1493
diagnostic techniques, evaluation, bluetongue virus 1467
exotoxins, detection, *Pasteurella multocida*, pigs 1494
fowls, *Eimeria tenella*, detection 4231
herbicide residues
soil 450
water 450
immunodiagnosis
parasites 1505
Toxoplasma gondii, goats 1469
milk, *Mycoplasma bovis* 1483
Myzus persicae
beet western yellows luteovirus 2587
potato leaf roll luteovirus 2587
odontoglossum ringspot tobamovirus, Orchidaceae 434
pelargonium flower break carmavirus, *Pelargonium zonale* 424
pesticide residues
milk 428
water 428
polymerase chain reaction, detection, Flavivirus 3139
Renibacterium salmoninarum, antigens, detection, fishes 419
rinderpest virus 1502
serology, groundnut bud necrosis virus 2586
soil-borne wheat mosaic furovirus, *Triticum aestivum* 433
Streptobacillus
mice 1473
rats 1473
tomato spotted wilt tospovirus
Ficus elastica 436
Ficus pumila 436
Orchidaceae 434
viral proteins, detection, bovine oncovirus 1488
watermelon mosaic 2 potyvirus, *Citrullus lanatus* 431

Elongation factors
gene expression
Arabidopsis thaliana 4601
Hordeum vulgare 1252
Nicotiana sylvestris 2962
Triticum aestivum 4649
genetic transformation, *Arabidopsis thaliana* 4601

Elongation factors *cont.*
mutations, *Arabidopsis thaliana* 4601
nucleotide sequences
Glycine max 5701
Hordeum vulgare 1252, 5695
mitochondria, rats 1763
Nicotiana sylvestris 2962
Oryza sativa 6290
Elymus elongatus
gene expression, salinity 1886
gene mapping
abscisic acid 4701
repetitive DNA 4700
nucleotide sequences
repetitive DNA 4700
stress 4004, 5645
Elymus farctus
DNA hybridization 1986
chromosome addition 6439
chromosome pairing 1901
intergeneric hybridization 6439
random amplified polymorphic DNA 1986, 5316
Elymus hispidus
cell culture 2638
random amplified polymorphic DNA, chromosome translocation 398
Elymus repens, gene mapping 5264
Embryo culture
abscisic acid, *Pisum sativum* 4828
Cocos nucifera 1573, 2613
Cucumis melo 993
DNA, *Vitis vinifera* 5414
DNA content, *Pisum sativum* 4828
embryogenesis, *Theobroma cacao* 6623
gamma radiation
Citrus sinensis 2670
Poncirus trifoliata 2670
Theobroma cacao 6623
growth regulators, *Prunus persica* 4837
haploidy, *Cucumis sativus* 6643
hybridization, *Populus* 4839
intergeneric hybridization
Secale cereale 6008, 6021
triticale 6008
Triticum aestivum 6021
interspecific hybridization
Allium 1019
Avena brevis 503
Avena sativa 503
Avena strigosa 503
Gypsophila manginii 6056
Gypsophila paniculata 6056
Helianthus annuus 3759
Larix 6005
Oryza minuta 4282
Oryza sativa 4282
Karwinskia humboldtiana 5393
Larix leptoeuropaea 4271
Lycopersicon esculentum 3210
Lycopersicon peruvianum 3210
Orchidaceae 2648
Paeonia lactiflora 4248
Phyllanthus 6629
plant development, *Cucumis sativus* 6643
pollen, *Theobroma cacao* 6623
polyamines
Picea abies 4831
Picea rubens 4831
Prunus armeniaca 3704
Prunus persica 6621
Prunus salicina 6621
putrescine
Picea abies 4831
Picea rubens 4831
regeneration
Carya illinoinensis 484
Hordeum vulgare 6626
Ocotea catarinensis 4275
Oryza sativa 6615
Triticum aestivum 5390
somatic embryogenesis
Arachis hypogaea 2622, 6618
Carya illinoinensis 484
Elaeis guineensis 1030
Euonymus europaeus 3176
Helianthus annuus 5984
Larix 6005
Larix leptoeuropaea 4270
Liriodendron chinense 1014
Liriodendron tulipifera 1014

Embryo culture *cont.*
somatic embryogenesis *cont.*
Panax pseudoginseng 985
Picea abies 4817, 4831
Picea rubens 4831
Pinus palustris 4832
Prunus avium 1010
Quercus acutissima 5392
Thuja occidentalis 6017
triticale 473
techniques
mice, books 6765
Prunus persica 4837
triticale 3211, 4265
Triticum aestivum 1565, 4265
Vicia faba 482
Vicia narbonensis 482
Zea mays 5993
Embryo implantation, embryos, freezing, mice 2067
Embryo mortality
fibronectins, targeted mutagenesis 3926
gene transfer, microinjection, mice 3324
integrins, targeted mutagenesis 3926
proto-oncogenes, regulation, disruption, mice 617, 620
Embryo transfer
buffaloes, reviews 526
calving rate
embryos
biopsy, cattle 5359
splitting, cattle 5359
culture media, constituents, DNA, contamination, livestock 2053
deer, reviews 2052
dystocia, cattle 2060
embryos
blastomere, electrofusion, cattle 2045
freezing
calving rate, cattle 4242, 5376
cattle 3164
pregnancy rate, cattle 3680, 5369
stoats 2043
in vitro development, sheep 2607
in vivo development, oestrous cycle, asynchrony, mice 1519
quality, mortality, embryos, cattle 2608
splitting
calving rate, cattle 4242
litter size, pigs 4800
pregnancy rate
buffaloes 1533
pigs 4800, 5377
sheep 4803
twinning, sheep 4803
genetic gain
breeding programmes
cattle 2598
Developing Countries 2597
Germany, cattle 2602
goats, reviews 3168
horses, reviews 1523
in vitro fertilization
cattle, Greece 2069
oocytes, cattle 3226, 3240
Japan, cattle 3167
litter size, pigs 4780
MOET, milk yield, breeding programmes, nucleus scheme, cattle 3166
mortality, embryos, cattle 2060
nuclei
transfer
blastomere, pregnancy rate, mice 3688
oocytes, pregnancy rate, cattle 4237
oocytes, nuclei, transfer, cattle 981
oviducts, *in vitro* development, horses 2070
pregnancy rate
breed differences, recipients, rabbits 1537
buffaloes 3162
camels 2603
cattle 2045, 3240, 3681, 3685, 4795
culture media, granulosa cells, cattle 4781
deer 6696
embryos
biopsy, cattle 903, 5359

Embryo transfer *cont.*
pregnancy rate *cont.*
embryos *cont.*
blastomere
biopsy, mice 958
electrofusion, cattle 2609
DNA, injection, cattle 4784
freezing
cats 6604
cattle 975, 5374
mice 1512, 4234
splitting
cattle 5359
goats 2605
trophoblast, cattle 6599
vitrification
cattle 451
horses 6596
mice 2061
zona pellucida, drilling, sheep 4240
fallow deer 3160
gaur 4858
horses 4788
mice 5425
nutrition, goats 4791
oocytes
freezing
hamsters 6050
mice 4867, 6050
in vitro fertilization, cattle 455
in vitro maturation, horses 4241
Père David's deer 6058
pigs 2151, 4780
Portugal, cattle 3680
red deer 3160, 6058
sheep 2607, 6696
spermatozoa, freezing, mice 3756
prostaglandins, in blood, cattle 6067
research, Hungary, livestock 3691
sex ratio, embryos, freezing, cattle 3679
sheep, reviews 3168
superovulation, cattle, reviews 4884
Switzerland, cattle 2064
techniques
deer 6696
sheep 6696
to oviducts, pregnancy rate, rabbits 3677
transcervical transfer, pigs 2065
twinning, cattle 4795
Uganda, breeds, indigenous, recipients, cattle 4779
uterus, *in vitro* development, horses 2070

Embryogenesis
anther culture, *Brassica oleracea* 2668
cell culture, *Oryza sativa* 6638
cryopreservation, *Oryza sativa* 6638
embryo culture, *Theobroma cacao* 6623
gene expression
Arabidopsis thaliana 5813
Glycine max 4546
Helianthus annuus 5834
Nicotiana tabacum 5834
plants 1925
Zea mays 4614
immunological techniques, *Pisum sativum* 5964
in vitro culture, plants 2117
induced mutations, *Theobroma cacao* 6623
insulin-like growth factor, receptors, gene expression, kidneys, mice 3539
mutations, *Arabidopsis thaliana* 5813
nucleotide sequences, *Glycine max* 4546
promoters
Glycine max 5808
Helianthus annuus 5834
Nicotiana tabacum 5834
protoplasts, *Oryza sativa* 6638
RNA probes, *Pisum sativum* 5964
transcription factors, *Glycine max* 5808

Embryology
gene expression
Betula pendula 1280
Hordeum vulgare 6273
nucleotide sequences
Betula pendula 1280
Hordeum vulgare 6273

Embryonic development
abnormalities, proto-oncogenes, targeted mutagenesis, mice 1195

Embryonic development *cont.*
cells, differentiation, gene expression, mice, reviews 4046
cytokeratin, chromatin, structure, mice 808
DNA methylation, mice, reviews 2982
enhancers, mice 2422
gene expression
activation, mice, reviews 2414
morphogenesis, central nervous system, mice 5725
segment polarity, fishes 5739
targeted mutagenesis, tail, mice 3407
genes
gene expression, mice 2890
homeo box
gene expression, mice 823
molecular genetics, vertebrates, reviews 1313
targeted mutagenesis
embryonic stem cells, mice 1742
mice, reviews 4062
transgenics, mice, reviews 4051
morphogenesis, nucleotide sequences, fowls 5753
nucleotide sequences, mice 2890
genomes, imprinting, DNA methylation, mice 764
in sheep oviducts, gene transfer, somatotropin, cattle 3676
in vitro
embryos
freezing, cryoprotectants, cattle 975
vitrification, cattle 451
gene transfer, somatotropin, cattle 3676
oocytes
freezing
hamsters 6050
mice 6050
in vitro culture, culture media, cattle 3690
insulin-like growth factor
receptors, targeted mutagenesis, mice 5716
targeted mutagenesis
mice 5716
reviews 2289
lipoproteins, receptors, targeted mutagenesis, mice 616
liver, proto-oncogenes, targeted mutagenesis, embryonic stem cells, mice 3401
oestrogens, receptors, gene expression, mice 1852
oncogenes, targeted mutagenesis, mice 152
oocytes
fusion, blastomere, cattle 2056
in vitro fertilization, cattle 507
ovaries, transport, temperature, cattle 507
oviducts, *in vitro* fertilization, cattle 2046
preimplantation period, blastocyst, gene expression, mice, reviews 4045
progesterone, receptors, gene expression, mice 1852
promoters, mice 2422
proto-oncogenes
regulation, disruption, mice 617, 620
targeted mutagenesis, embryonic stem cells, mice 2870
stage, embryos, monoclonal antibodies, mice 414
transcription factors, RNA, alternative splicing, fishes 3537
transgenics, DNA, microinjection, cattle 3693

Embryonic stem cells
adenosinetriphosphatase, targeted mutagenesis, mice 5547
amyloid, gene transfer, mice 4410
cell lines
mice 5368
rats 6598
chimaeras
aggregation, tetraploidy, techniques, mice 2604
gene transfer, diseases, xeroderma pigmentosum, mice 3875

Embryonic stem cells *cont.*
chimaeras *cont.*
production, techniques, mice 2072
differentiation, transcription, inhibition, mice 4931
G proteins, targeted mutagenesis, mice 615
genes
drug resistance, targeted mutagenesis, liver diseases, mice 1748
homeo box
targeted mutagenesis
embryonic development, mice 1742
mice 246
tumour suppression, targeted mutagenesis, mice 3402
haematopoiesis, proto-oncogenes, antisense DNA 5765
immunoglobulins
gene transfer, yeast artificial chromosomes, liposomes, mice 3326
isotype switching, targeted mutagenesis, mice 621
targeted mutagenesis, mice 614
in vitro culture, pigs 6592
injection, embryos, chimaeras, pigs 6592
interferon, receptors, targeted mutagenesis, mice 156
interleukins, targeted mutagenesis, intestinal diseases, mice 1743, 1747
keratin, targeted mutagenesis, embryos, mortality, mice 611
metallothionein, targeted mutagenesis, mice 158
neurotrophin, targeted mutagenesis, mice 6207
oocytes, fusion, embryos, *in vitro* development, mice 512
protein kinase, nucleotide sequences, mice 642
protein-tyrosine kinase, targeted mutagenesis, mice 617, 620
protein-tyrosine-phosphatase, targeted mutagenesis, lymphocytes, development, mice 157
proto-oncogenes
targeted mutagenesis
diseases, mice 1751
mice 154
retinoic acid, receptors, targeted mutagenesis, mice 618
ryanodine, receptors, targeted mutagenesis, mice 6215
selectins, targeted mutagenesis, leukocytes, mice 619
targeted mutagenesis
adenylate cyclase, inhibitors, polymerase chain reaction, mice 3405
chimaeras, breeding, techniques, mice 2606
ciliary neurotrophic factor, neurons, degeneration, mice 1744
cloning, techniques 2295
hypoxanthine phosphoribosyltransferase, mice 3927
immunoglobulins
gene expression, B lymphocytes, mice 5006
immune response, mice 2865, 5007
mice 2288
interferon, regulatory factor, mice 2292
interleukins, immunological deficiency, mice 2864
intestinal diseases, mice 1750
lactalbumin, replacement, mice 3406
mannose-6-phosphate, receptors, lysosomes, proteins, mice 5549
marker genes, vectors, Picornaviridae, mice 4931
mice
books 2203, 2247, 2291, 2295, 2604, 2606, 2741
reviews 2858
mutations, diseases, mice 1749
myogenesis, transcription factors, mice, reviews 5004
myogenin, muscles, mice 2811, 2863

Embryonic stem cells *cont.*
targeted mutagenesis *cont.*
oestrogens
receptors
fertility, mice 2290
genitalia, development, mice 2290
polymerase chain reaction, techniques 3120
protein-tyrosine kinase
haematopoiesis, mice 3923
immune response, mice 3923
proto-oncogenes
embryonic development
liver, mice 3401
mice 2870
selection, homologous recombinants, mice 3410
T lymphocytes, receptors, intestinal diseases, mice 1745
transforming growth factor, immunological diseases, mice, reviews 3403
vectors
gene transfer, mice 159
mice 5548
transcription factors, targeted mutagenesis, mice 1194
tropomyosins, gene expression, mice 2409
vectors
gene expression, interferon, development, mice 4936
gene trap, techniques 2203
Embryos
actin, promoters, gene expression, transgenics, mice 2235
aggregation, chimaeras, cattle 3228
agrin
gene expression, fowls 1321
RNA, alternative splicing, fowls 1321
argininosuccinate synthase, mutations, detection, cattle 1482
biopsy
DNA, polymerase chain reaction, cattle 4243
embryo transfer
calving rate, cattle 5359
pregnancy rate, cattle 5359
in vitro development, cattle 4243
pregnancy rate, embryo transfer, cattle 903
biotechnology
arctic foxes, reviews 2054
foxes, reviews 2054
livestock, reviews 1657
blastomere
biopsy
embryo transfer, pregnancy rate, mice 958
in vitro development, mice 958
sex diagnosis, polymerase chain reaction, mice 960
electrofusion
embryo transfer
cattle 2045
pregnancy rate, cattle 2609
embryos, *in vitro* development, cattle 2045
freezing, survival, fishes 969
nuclei
transfer
chimaeras, mice 3688
embryo transfer, pregnancy rate, mice 3688
oocytes, fusion, cattle 4860
bone morphogenetic protein, gene expression, mice 6231
cells
structure, embryos, freezing, horses 3678
transfer, chimaeras, fowls, reviews 1691
chromatin, high mobility group proteins, gene expression, mice 4589
citrullinaemia, diagnosis, cattle 1482
cloning, cattle, reviews 1530
clusterin, gene expression, mice 2892
cooling, pregnancy rate, mice 2047
cytoplasm, volume, *in vitro* development, mice 4785
Embryos *cont.*
development
nuclei, transfer, interspecific, mice, rats 6611
oocytes, transfer, oviducts, pigs 5371
DNA
detection, polymerase chain reaction, cattle 962
injection
embryo transfer, pregnancy rate, cattle 4784
in vitro development
cattle 4784
culture media, pigs 5967
pipettes, mice 5946
microinjection, transgenics, cattle 2068
DNA methylation, pigs 6343
embryo transfer, embryos, quality, mortality, cattle 2608
embryonic stem cells, injection, chimaeras, pigs 6592
fibroblast growth factors
gene expression, antisense DNA, fowls 1301
RNA, alternative splicing, fowls 1301
freezing
cryoprotectants
cattle 5373
embryonic development, *in vitro*, cattle 975
glycerol
horses 3678
sheep 6602
in vitro development, cattle 5378
propylene glycol, sheep 6602
proteins, mammals 3159
culture media, *in vitro* development, mice 4798
embryo implantation, mice 2067
embryo transfer
calving rate, cattle 4242, 5376
cattle 3164
pregnancy rate
cats 6604
cattle 975, 3680, 5369, 5374
mice 4234
sex ratio, cattle 3679
stoats 2043
embryos
cells, structure, horses 3678
in vitro development
cattle 6609
mice 2067, 3682, 5366
glucose, cattle 5373
hatching, fishes 1525
in vitro development
cats 6604
cattle 4325, 5362, 5373
sheep 4802, 6602
in vitro fertilization, cattle, reviews 2051
livestock 1536
oxidants, mice 2067
pigs 3163
pregnancy rate, embryo transfer, mice 1512
straws, size, *in vitro* development, mice 4798
survival
blood serum
cattle 970
mice 970
cattle, reviews 2051
fishes 1525
sodium hyaluronate
cattle 970
mice 970
vitrification
laboratory mammals, reviews 6608
livestock, reviews 6608
furbearing animals, gene banks, Scandinavia 4238
fusion
culture media, *in vitro* development, mice 6610
electric current, *in vitro* development, mice 6610
Embryos *cont.*
gene expression
analysis, DNA hybridization, mice 264
homeo box
DNA hybridization, fowls 5735
mice 246
spine, fowls 2990
steroid hydroxylases, regulation, mice 2398
mesenchyme fork head, mice 1860
polymerase chain reaction, techniques, mice 3658
genes
activation, retinoic acid, transgenics, mice 31
H19, genomes, imprinting, DNA methylation, mice 775
homeo box
gene expression
fowls 699
heart, mice 254
mutations, brain, rats 2998
nucleotide sequences
fowls 699
heart, mice 254
Notch, gene expression, mice 1307
transcription, antigens, cattle 5974
germ cells, *in vitro* culture, growth factors, mice 959
glyceraldehyde-3-phosphate dehydrogenase, gene expression, quails 1234
hepatocyte growth factor, receptors, gene expression, mice 4592
hybridization, germ cells, fusion, targeted mutagenesis, mice 3421
identification, genetic disorders, polymerase chain reaction, restriction fragment length polymorphism, cattle 6496
in vitro culture, culture media, cattle 4854
in vitro culture
DNA, contamination, livestock 2053
in vivo development, mice 5368
on oviduct cells, sheep 2607
spleen necrosis virus
gene transfer
mice 6131
pigs 6131
in vitro development
amino acids, cattle 4308
androgenesis, mice 1046
androstenedione, immunization, sheep 1074
betaine, mice 1041
blood proteins, cattle 973, 6605-6606
blood serum
cattle 4797, 5363, 5374, 6605
pigs 4793
sheep 4236
breed differences, cattle 1513
catalase, rabbits 5364
cats 6604
cattle 980
chimaeras, cattle 3228
chromosome translocation, cattle 4790
cryoprotectants
cattle 6609
ethylene glycol, goats 2048
glycerol, goats 2048
mice 974
culture media
amino acids
cattle 3233
sheep 4236
blood serum, cattle 5969
cattle 961, 4782, 4848
composition, cattle 4245
EDTA, mice 1515
energy sources
cattle 3233
sheep 1535
glucose
mice 1515
rats 4794
glutamine, mice 1515
goats 1528
guineapigs 1531

Embryos *cont.*
in vitro development *cont.*
culture media *cont.*
horses 4788
mammals 2063, 3161
mice 1526-1527, 2066
osmolarity, rats 4794
phosphate
cattle 3233
rats 4794
pigs 4793, 5404
potassium, mice 5361
rats 4796
sheep 4244
sodium fluoride, mice 3689
storage, mice 1529
vitamins, sheep 4236
volume, cattle 6594
cumulus cells, cattle 981, 1534
DNA
injection
cattle 1534
pigs 5382
embryo transfer, sheep 2607
embryos
blastomere, electrofusion, cattle 2045
freezing
cattle 6609
mice 2067, 3682, 5366
splitting, goats 2605
vitrification, sheep 3675
energy sources, cattle 5972
epidermal growth factor, cattle 4787
ethylene glycol, pigs 4805
follicular fluid, man, sheep 5411
foxes 2057
FSH, cattle 1582
gametes, freezing, mice 3686
gaur 4858
glucose
cattle 967
mice 5965
glycerol, pigs 4805
granulosa cells, cattle 4781
growth factors
mammals 2063, 3161
pigs 5360
H-Y antigen, mice 4806
hypotaurine, epinephrine, cattle 5365
in vitro fertilization
camels 3229
cattle 2069, 4789
culture media, cattle 2050
oocytes
cats 4862
freezing, cattle 6601
ova, cattle 5971
inositol, rabbits 5966
insulin, cattle 973, 5374
interferon, mice 1538
LH, cattle 1582
liver, cells, rats, cattle 4782, 4868
meiosis, stage, nuclei, transfer, sheep 4849
nuclei
transfer, mice 5375
ultrastructure, cattle 2058
oestrogens, cattle 1582
oestrous cycle, cattle 1513
oocytes
activation
nuclei
transfer
cattle 6677
sheep 4849
age, rats 3755
blastomere, fusion, cattle 4860
cumulus oophorus, cattle 4239
freezing
cattle 2126
in vitro maturation, mice 1516
mice 4867
fusion, embryonic stem cells, mice 512
in vitro fertilization
cattle 2129, 4869
goats 6670
in *vitro* fertilization, pigs 1052
in vitro maturation, cattle 6671

Embryos *cont.*
in vitro development *cont.*
oocytes *cont.*
maturation, follicular fluid, cattle 4314
nuclei
transfer
cattle 981, 1514
pigs 5968
quality, cattle 4857
recovery
cattle 6669
techniques, cattle 5402
ova
centrifugation, pigs 5382
cumulus cells, cattle 6605
recovery, duration, hamsters 968
ovaries
granulosa cells, cattle 4851, 6666
tissues, horses 2070
oviducts
ampulla, mice, cattle 4792
cells
cattle 2046, 5969, 6605
sheep 4244
epithelium
cattle 981, 4782, 5365, 5367, 5370, 6666
laboratory mammals 2049
livestock 2049
llamas 4850
fluids
cattle 967, 6605
pigs 5360
oxygen
cattle 5367
hamsters 968
mammals 2063
rabbits 5364
sheep 4244
penicillamine, epinephrine, cattle 5365
pigs 4855
potassium, mice 2601
pregnancy, cattle 1513
propylene glycol, pigs 4805
prostaglandins, cattle 1521
proteins
cattle 5374
mammals 3161
mice 2062
pigs 4793
proto-oncogenes, mice 3158
rabbits 6678
reindeer 4861
selenium, cattle 973, 5374
semen, freezing, cattle 965
sex differences, mice 977
sexual maturity, cattle 4239
sheep, culture, groups 4236
sires, cattle 972
sodium chloride
cattle 6600
mice 1041
somatic cells, mice, cattle 961
spermatozoa, dilution, pigs 5380
strain differences, mice 1515
sucrose, pigs 4805
superovulation
FSH, mice 5425
horses 4879
PMSG, mice 5425
superoxide dismutase
mice 4778
rabbits 5364
thiols, cattle 5379
transferrin, cattle 5374
transforming growth factor, cattle 4787
trypsin, cattle 5971
uterus
epithelium, cells, rats 4796
tissues, horses 2070
vitamins, cattle 4308
in vitro fertilization
cats 6604
cattle 980
culture media, cattle 4854
detection
bovine diarrhoea virus 1141
bovine herpesvirus 1141

Embryos *cont.*
in vivo development
embryo transfer, oestrous cycle, asynchrony, mice 1519
HCG, sheep 4333
progesterone, sheep 4333
insulin, genomes, imprinting, gene expression, mice 6341
keratin, reporter genes, gene expression, transgenics, mice 4414
mammals, DNA libraries, DNA hybridization, subtraction 3660
metalloproteinases, gene expression, mice 6231
mice, glycoproteins, microfibrils, gene expression 2389
microamplification, lasers, laboratory mammals 1050
microinjection, gene transfer, efficiency, mice 3324
micromanipulation, lasers, techniques, reviews 5346
monoclonal antibodies
embryonic development, stage, mice 414
ova, fertilization, detection, mice 414
mortality
embryo transfer, cattle 2060
keratin, targeted mutagenesis, embryonic stem cells, mice 611
proto-oncogenes, disruption, mice 154
myelin basic protein
gene expression, mice 3522
nucleotide sequences, mice 3522
promoters, mice 3522
myogenin, promoters, gene expression, transgenics, mice 2988
nuclei
RNA, oocytes, follicles, size, cattle 2127
transfer, oocytes, *in vitro* development, cattle 4237
nucleotide sequences, mice 683
number
androstenedione, immunization, sheep 1074
in vitro development
cattle 4787, 6594
mice 4786
ultrasonics, sheep 528
ovalbumin, promoters, transcription factors, gene expression, mice 5176
primordial germ cells, cell culture, c-AMP, mice 1517
protein-tyrosine kinase, gene expression, intestines, rats 4582
protein-tyrosine-phosphatase
gene expression
brain
mice 6239
rats 6239
proteins, synaptic vesicle membrane, gene expression, fowls 2404
proto-oncogenes, gene expression, mice 4592
quality
density gradient centrifugation, mollusca 4235
embryo transfer, mortality, embryos, cattle 2608
evaluation, cattle 2608
in vitro development, cattle 3684, 4857
interferon, *in vitro* secretion, cattle 1522
oestrous cycle, duration, cattle 5973
uterus, prostaglandins, cattle 5973
recovery
artificial insemination, frequency, cattle 3767
goats, superovulation, prostaglandins, goats 4883
oestrus, synchronization, cattle 6063
ovulation, induction, buffaloes 1524
progesterone, in blood, cattle 3767
superovulation
cattle 508, 3681, 3766, 4882, 6063
fallow deer 3160

Embryos *cont.*
recovery *cont.*
superovulation *cont.*
FSH
cattle 2153, 3246, 3768, 4886, 5429, 6694
goats 2146, 4883
mice 5425
sheep 5428, 6693
GnRH, goats 4883
gonadotropins
camels 2603
cattle 4886
LH, cattle 4886
LHRH
antagonists, cattle 5405
goats 2146
PMSG
cattle 3768
mice 5425
sheep 6693
red deer 3160
sheep 2673
somatotropin, cattle 2149, 5422
reporter genes
gene transfer
fowls 6129
transgenics, mice 2234
microinjection, gene transfer, fowls 2232
Retroviridae, vectors, reporter genes, gene expression, fowls 5471
RNA hybridization, techniques, fishes 4211, 4218
segmentation, gene expression, homeo box, brain, mice, reviews 2423
sex determination
gene expression, mammals, reviews 2405
polymerase chain reaction, cattle 964
sex diagnosis
cattle 1518
chromosomes
cattle 4783
mice 4783
DNA, polymerase chain reaction, cattle 4799
genes, sex determination, polymerase chain reaction, mice 979
H-Y antigen
cattle 963
livestock 976
mice 963, 976, 4224, 4806
rabbits 4224
hypoxanthine phosphoribosyltransferase, cattle 452
karyotypes
cattle 963, 976
mice 963
polymerase chain reaction
buffaloes 2596
cattle 962, 5359
DNA probes, Y chromosome, pigs 5352
mammals, reviews 6579
mice 977
sex reversal, oestrogens, fishes 5426
sister chromatid exchange, oocytes, freezing, mice 2662
splitting
DNA, polymerase chain reaction, cattle 4243
embryo transfer
calving rate, cattle 4242, 5359
litter size, pigs 4800
pregnancy rate
buffaloes 1533
cattle 5359
pigs 4800, 5377
sheep 4803
twinning, sheep 4803
embryos, *in vitro* development, goats 2605
in vitro development
cattle 4243
mice 2047
pigs 5377
pregnancy rate
embryo transfer, goats 2605
mice 2047

Embryos *cont.*
survival
cooling, mammals 3165
cryoprotectants
crustacea 4801
mice 4233
sheep 4233
transcription factors
gene expression
mice 253
skin
mice 758
rats 758
nervous system, promoters, gene expression, mice 4586
promoters, mice 4060
repression, gene expression, central nervous system, mice 4043
transgenics, detection, polymerase chain reaction, cattle 962
trophoblast
embryo transfer, pregnancy rate, cattle 6599
freezing, morphology, cryoprotectants, cattle 4863
tropomyosins, gene expression, mice 2409
tyrosine kinase, receptors, gene expression, mice 1863
ultrastructure, nuclei, transfer, rabbits 1049
uridine monophosphate synthase, deficiency diseases, detection, polymerase chain reaction, cattle 5961
viability, freezing, mice 1512
vitrification
cryoprotectants
glycerol, sheep 6602
propylene glycol, sheep 6602
raffinose, *in vitro* development, mice 454
sucrose, *in vitro* development, mice 454
embryo transfer
pregnancy rate
cattle 451
horses 6596
mice 2061
embryonic development, *in vitro*, cattle 451
embryos, *in vitro* development, sheep 3675
in vitro development
cattle 966
cryoprotectants, ethylene glycol, mice 2061
horses 6596
pigs 6593
sheep 6602
pregnancy rate, sheep 3675
survival, culture media, osmolarity, rabbits 971
yield, MOET, breeding value, estimation, cattle 4804
zona pellucida
drilling
embryo transfer, pregnancy rate, sheep 4240
in vitro development, sheep 4240
removal, *in vitro* development, rabbits 6607
Emetine, gene expression, *Phaseolus vulgaris* 873
Empetraceae
chloroplast genetics
ribulose-bisphosphate carboxylase 1813
taxonomy 1813
nucleotide sequences
ribulose-bisphosphate carboxylase 1813
taxonomy 1813
Emus, eastern equine encephalitis virus, detection, polymerase chain reaction 3155
Encapsulation
spermatozoa
artificial insemination
cattle, techniques 5408
pigs, techniques 5408

Encephalomyocarditis virus, disease resistance, interferon, regulatory factor, targeted mutagenesis, mice 6212
Endangered species, *in vitro* culture 5992
Endocytosis, liver, marker genes, gene transfer, hepatectomy, rats 562
Endogenous viruses
detection, polymerase chain reaction, fowls 2573
gene mapping, restriction fragment length polymorphism, mice 6474
genes, identification, polymerase chain reaction, fowls 6472
insertion, thrombomodulin, promoters, strain differences, mice 657
integration, neoplasms, proto-oncogenes, gene expression, mice 6474
restriction fragment length polymorphism
fowls 6503
geese 2577
T lymphocytes, clonal selection, mice, reviews 824
Endonucleases
DNA repair, *Nicotiana tabacum* 2462
gene expression, rats 2925
nucleotide sequences, rats 2925
Endoplasmic reticulum
proteins, translocation complex, nucleotide sequences, dogs 2898
receptors
gene expression, cattle 712
nucleotide sequences, cattle 712
Endoplasmic reticulum retention receptor
complementation, *Arabidopsis thaliana* 2952
gene expression, *Arabidopsis thaliana* 2952
nucleotide sequences, *Arabidopsis thaliana* 2952
Endosperm
DNA probes, *Zea mays* 5935
gene expression
Oryza sativa 5814
Zea mays 1906, 2466, 5224, 5796
molecular genetics
plants 1905
Zea mays 5224
mutations, *Zea mays* 5796
polymerase chain reaction, *Zea mays* 5959
restriction fragment length polymorphism, *Zea mays* 5286, 5890
Endotoxins, promoters, nucleotide sequences, *Bacillus thuringiensis* subsp. *israelensis* 3261
Endotrypanum schaudinni, DNA probes, detection, genes, mini-exon 2576
Energy balance, glucocorticoids, receptors, antisense DNA, transgenics, mice 4969
Energy metabolism, glucocorticoids, transgenics, mice 4969
Energy sources, embryos, *in vitro* development, cattle 5972
Engineering, biotechnology 559
Enhancers
actin, transcription, regulation, transgenics, fishes 590
apolipoproteins
gene expression, liver, transgenics, mice 3871
transcription, regulation, transgenics, mice 594
atrial natriuretic factor, transcription, cell lines, rats 1844
binding proteins, myosins, gene expression, transgenics, mice 579
cell adhesion molecule, nucleotide sequences, cell lines 2418
cholesterol 7α-monooxygenase
transcription
bile acids, mice 4057
cholesterol, mice 4057
rats 4057
cytokeratin, DNA binding proteins, mice 2987, 3515
DNA binding proteins, transcription, regulation, mice 797
embryonic development, mice 2422
α-fetoprotein, promoters, transcription, rats 838

Enhancers *cont.*
gene expression
Arabidopsis thaliana 5196
homeo box, brain, transgenics, mice 2810
genes, homeo box, mice 2397
globins
nucleotide sequences
ducks 5614
fowls 5614
glycoproteins, transcription, guineapigs 3989
immunoglobulins
transcription
DNA methylation, B lymphocytes, mice 4047
lymphocytes, mice 6340
transcription factors, mice 1859
major histocompatibility complex
nucleotide sequences, cattle 3946
transcription, cattle 3946
myosins, gene expression, mice 2999
proto-oncogenes, transcription factors, mice 3529
retinoic acid, DNA binding proteins, gene expression, mice 3530
simian virus 40, gene expression, adipocytes, mice 831
somatotropin, RNA, alternative splicing, cattle 5185
surfactants, DNA binding proteins, rabbits 5727
T lymphocytes
receptors
gene expression, mice 4587
recombination
mice
cell cycle 5721
tissue specificity 5721
transcription factors, gene expression, cell lines, mice 2410
vectors, gene expression, cell lines, mammals 3309
viruses, gene expression, thymus, mice 2343
Enkephalins
gene expression, DNA binding proteins, brain, transgenics, mice 4405
promoters, transcription, DNA binding proteins, spermatogenesis, transgenics, mice 1126
Entamoeba histolytica, histones, nucleotide sequences 64
Enteropeptidase, nucleotide sequences, cattle 2327
Environment
biotechnology 2730
genetically engineered microorganisms, release, monitoring 5450
microorganisms, release, survival 2727
molecular genetics 6119
organization of research 6119
poultry manure
anaerobic digestion, economics 2698
combustion, economics 2698
composting, economics 2698
Environmental impact
biotechnology 1091, 2185
transgenics
fishes, reviews 3275
livestock, reviews 3275
Environmental temperature
carcass composition, somatotropin, pigs 1601
fattening performance, somatotropin, pigs 1601
Enzyme inhibitors, genetic transformation, *Nicotiana tabacum* 2838
Enzymes see also individual enzymes
biodegradation
Ganoderma applanatum 6636
Lenzites elegans 6636
Pycnoporus sanguineus 6636
biotransformation
Ganoderma applanatum 6636
Lenzites elegans 6636
Pycnoporus sanguineus 6636
gene expression
Erwinia carotovora subsp. *carotovora* 117
Vitis vinifera 5126
Enzymes *cont.*
gene mapping, DNA hybridization, buffaloes 1409
genetic engineering, plants 3341
molecular genetics, books 6745
nucleotide sequences
Erwinia carotovora subsp. *carotovora* 117
Vitis vinifera 5126
production, lignocellulosic wastes, jute, utilization, *Aspergillus sydowii* 6093
somaclonal variation
Triticum aestivum 161
Triticum durum 161
Epacridaceae
chloroplast genetics
ribulose-bisphosphate carboxylase 1813
taxonomy 1813
nucleotide sequences
ribulose-bisphosphate carboxylase 1813
taxonomy 1813
Eperythrozoon suis, diagnosis, polymerase chain reaction, pigs 1496
Ephedra, in vitro culture, alkaloids 610
Epichloe, molecular genetics, evolution 2314
Epidemiology, animal diseases, molecular genetics, reviews 1702
Epidermal growth factor
embryos, *in vitro* development, cattle 4787
oocytes, *in vitro* maturation, pigs 2131
receptors
gene expression, cell lines 3431
nucleotide sequences
mice 3431
mutations, abnormalities, hair, mice 3967
spermatozoa, acrosome reaction, mice 4856
Epidermis
fibroblast growth factors, receptors, gene expression, transgenics, mice 597
gene tagging, *Antirrhinum majus* 6299
involucrin, gene expression, transgenics, mice 1132
keratin, gene expression, disruption, transgenics, mice 597
mutations, *Antirrhinum majus* 6299
nucleotide sequences, *Antirrhinum majus* 6299
Epilobium
nucleotide sequences
ribosomal DNA 6247
taxonomy 6247
Epinephrine, ovulation, *in vitro,* fishes 6042
Epistasis
development, *Arabidopsis thaliana* 5768, 5855
light, *Arabidopsis thaliana* 5768, 5855
Epithelia, cytokeratin, gene expression, transgenics, mice 580
Epoxide hydrolase
gene expression
Arabidopsis thaliana 6279
liver, mice 5576
Solanum tuberosum 6313
genetic engineering
Arabidopsis thaliana 6279
Solanum tuberosum 6313
nucleotide sequences
Arabidopsis thaliana 6279
liver, mice 5576
Solanum tuberosum 6313
Equine encephalomyelitis virus, molecular genetics, pathogenesis, horses 5520
Equine herpesvirus
ELISA, diagnosis 1480
glycoproteins, nucleotide sequences 60
membrane proteins, nucleotide sequences 1153
monoclonal antibodies, diagnosis 420
thymidine kinase, mutations, nucleotide sequences 58
Eremothecium ashbyii
riboflavin
production
Lens culinaris, utilization 4349
lentils, utilization 4349
molasses, utilization 4349
Erianthus
chloroplast genetics, evolution 4189
restriction fragment length polymorphism, evolution 4189
Erica darleyensis
genetic transformation, *Agrobacterium rhizogenes* 6656
tissue culture 6656
Ericaceae
chloroplast genetics
ribulose-bisphosphate carboxylase 1813
taxonomy 1813
nucleotide sequences
ribulose-bisphosphate carboxylase 1813
taxonomy 1813
Eruca vesicaria
nucleotide sequences
pseudogenes 4565
repetitive DNA 5661
ribosomal DNA 4565, 5661
restriction fragment length polymorphism
repetitive DNA 5661
ribosomal DNA 5661
Erucic acid, genetic engineering, *Brassica napus,* rape 3350
Erwinia, molecular genetics, *Solanum* 6178
Erwinia amylovora, somaclonal variation, *Malus pumila* 6216
Erwinia carotovora
gene expression 1167
genetic transformation 1167
Solanum tuberosum 2260, 3897
somaclonal variation, *Solanum tuberosum* 1197
Erwinia carotovora* subsp. *carotovora
gene expression, enzymes 117
nucleotide sequences, enzymes 117
Erwinia uredovora, genetic engineering, phytoene desaturase 1729
Erysipelothrix rhusiopathiae, genes, heat shock, nucleotide sequences 2381
Erysiphe graminis
anther culture
Hordeum vulgare 6187
Secale cereale 1066
Triticum aestivum 1066
gene expression 1179
Hordeum vulgare 1176, 3892, 4108, 6176
genetic transformation, *Hordeum vulgare* 1176
nucleotide sequences 1179
restriction fragment length polymorphism, *Triticum aestivum* 1980
Erysiphe graminis* f.sp. *hordei
gene expression, *Hordeum vulgare* 6250
nucleotide sequences, *Hordeum vulgare* 4002
Erysiphe polygoni, restriction fragment length polymorphism, *Vigna radiata* 4437
Erythrocytes
proto-oncogenes
targeted mutagenesis, transgenics, mice 5742
transgenics, mice 5742
sex chromosomes, detection, polymerase chain reaction, cattle 2031
Erythropoietin, receptors, silencers, transcription, mice 5766
Erythroxylum coca
tissue culture
alkaloids 2280
cocaine 2280
Escherichia coli
Bacillus sphaericus, cyclomaltodextrinase, gene expression 1297
DNA probes, detection, livestock 1500
ELISA, diagnosis 1481
Escherichia hermannii, ribosomal DNA, restriction fragment length polymorphism, differential diagnosis 1499
ferritin, gene expression, horses 4524
gene expression
chaperonins 347
phosphoenolpyruvate carboxylase 3855

Escherichia coli *cont.*
genes
pili
gene mapping
chromosomes 56
plasmids 56
genetic engineering, chaperonins 347
genetic transformation
Nicotiana tabacum 2789
phosphoenolpyruvate carboxylase 3855
Zea mays 2789
β-glucuronidase, vectors, insertional mutagenesis 5490
kallikrein, binding proteins, gene expression, rats 801
selection, techniques, β-galactosidase, bacteriophages 3664
somatotropin, synthesis, recombinant DNA 144
Escherichia hermannii, *Escherichia coli,* ribosomal DNA, restriction fragment length polymorphism, differential diagnosis 1499
Eschscholzia californica
cell culture
alkaloids 2278
jasmonic acid 4490
gene expression, alkaloids 2278
Essential oils
bioreactors, *Artemisia absinthium* 4463
tissue culture, *Artemisia absinthium* 4463
Esterases
blood proteins, gene mapping, rats 4142
gene mapping, *Hordeum vulgare* 4723
restriction fragment length polymorphism, *Hordeum vulgare* 4723
somaclonal variation
Triticum aestivum 161
Triticum durum 161
Ethanol
oocytes
parthenogenesis
cattle 6047
induction, cattle 4872
Ethanol production
biomass, transport, fuels, USA 4898
carbon dioxide, utilization, reviews 6090
carobs, fruits, utilization, *Saccharomyces cerevisiae* 4350
cellulosic wastes, utilization, reviews 6090
crops, biomass 2701
sorghum stalks
fermentation
Fusarium oxysporum 6092
Saccharomyces cerevisiae 6092
starch
fermentation
Aspergillus awamori 2711
Rhizopus japonicus 2711
Zymomonas mobilis 2711
utilization, reviews 6090
Ethics
biotechnology 1089, 1091, 2185, 2189
profitability 3277
foods, genetic engineering 3284
genetic engineering 3303
animals
reviews 3818
veterinary medicine, reports, UK 5456
foods 3816
biosafety, reviews 5457
UK, reports 3820
livestock, UK, reports 3820
microorganisms 1628
public opinion, transgenics, animal production 5455
Ethidium bromide, electrophoresis, DNA, genetic polymorphism, polymerase chain reaction 940
Ethylene
DNA binding proteins, *Nicotiana tabacum* 1361
gene expression
Allium cepa 5810
Arabidopsis thaliana 334, 725, 3024, 5528
Cicer arietinum 5630
Dianthus caryophyllus 285

Ethylene *cont.*
gene expression *cont.*
Fragaria 3561
Hevea brasiliensis 6418
Nicotiana tabacum 1361
plants 4620
Vigna angularis 5655
Zea mays 4632
genetic engineering
Arabidopsis thaliana 334
Lycopersicon esculentum 5819
in vitro culture
Brassica 1566
Fragaria 3714
Malus 3714
Prunus 3714
Vitis 3714
molecular genetics
Arabidopsis thaliana 3024
plants, reviews 1346
mutations
Arabidopsis thaliana 725
Lycopersicon esculentum 5819
nucleotide sequences
Arabidopsis thaliana 725
Vigna angularis 5655
promoters
Arabidopsis thaliana 334
Nicotiana tabacum 1361
***N*-ethyl-*N*-nitrosourea**
gene expression, mutations, testes, transgenics, mice 5505
tissue culture, *Solanum tuberosum* 6012
Eucalyptus
chloroplast genetics
evolution 1445
taxonomy 1445
DNA fingerprinting, chloroplast genetics 4703
genetic transformation, *Agrobacterium rhizogenes* 4396
restriction fragment length polymorphism 3094
chloroplast genetics 4703
Eucalyptus botryoides, nucleotide sequences, cinnamyl-alcohol dehydrogenase 5108
Eucalyptus grandis, tissue culture 4293, 6004
Eucalyptus gunnii
nucleotide sequences
caffeic acid *O*-methyltransferase 6302
cinnamyl-alcohol dehydrogenase 4538
Eucalyptus perriniana
biotransformation 4474
(–)-borneol 4474
cell culture 4474
glycosides 4474
Eukaryotes
cells, molecular genetics, techniques, books 3660, 3665
DNA fingerprinting, relationships 2018
gene expression, regulation, promoters, prokaryotes, reviews 3844
microorganisms, molecular genetics, books 2737
recombinases, genetic engineering, reviews 5333
satellite DNA, marker genes 2553
Euonymus europaeus, embryo culture, somatic embryogenesis 3176
Eupatorium cannabinum
tissue culture
alkaloids 3700
homospermidine synthase 3700
Europe
biotechnology, trade associations 4383
conferences, European Society for Animal Cell Technology 5459
legislation, animal welfare, animal breeding 1630
patents, animals 5451
European Communities
biotechnology
biosafety 547
legislation 1631
patents 1631
livestock 2729
regulations 547
foods
biotechnology, legislation 5458
genetic engineering, legislation 5458

European Communities *cont.*
genetic engineering
biosafety 1633, 3798
legislation 1633, 2733, 3798, 6108
release 1633, 2733, 3798
patents, legislation 3802
somatotropin, milk 4890
transgenics, animals, planning, organization of research 4921
Eustoma grandiflorum
gene expression
dihydrokaempferol 4-reductase 3547
naringenin-chalcone synthase 3547
phenylalanine ammonia-lyase 3547
Eutrema wasabi
cryopreservation 6009
tissue culture 6009
Evolution
chloroplast genetics
Crassulaceae 4711
Eccoilopus 4189
Erianthus 4189
Eucalyptus 1445
Gramineae 735
Lens 4182
Manihot 1972
Miscanthus 4189
Narenga 4189
plants 6412
Prunus, cherries 1991
Quercus petraea 4537
Quercus robur 4537
Saccharum 4189
Saxifragaceae 4711
Sclerostachya 4189
Vicia 5918
Vicia faba 5918
DNA hybridization, *Avena sativa* 4717
gene expression
plants 3549, 6402
teosinte 3549
Zea mays 3549
gene mapping
plants 5912
Zea mays 924
major histocompatibility complex, mice, reviews 4055
mathematics 4206
microsatellites, polymerase chain reaction, species differences, vertebrates 5330
mitochondrial genetics, plants 5912
molecular genetics 5848
Acremonium 2314
angiosperms 6524
Epichloe 2314
Gramineae 2314
palaeobotany 4027
plants 5799, 6509
nucleotide sequences 4760, 6318, 6330
angiosperms 2367
Azorhizobium 173
Brachypodium distachyon 4714
Bradyrhizobium 173
Bromus inermis 4714
Crassulaceae 4711
Fagus 4548
Gnetum 1833
Nothofagus 4548
Oryza sativa 4714
plants 1833, 5648, 5683
Quercus petraea 4537
Quercus robur 4537
Rhizobium 173
Saxifragaceae 4711
Sorghum bicolor 4714
Triticeae 4714
Winteraceae 4566
random amplified polymorphic DNA
Echinochloa 6531
Iris 5265
Lotus 6515
Lotus corniculatus 6515
plants 1446
recombination, genomes, reviews 5133
restriction analysis, *Lens* 4182
restriction fragment length polymorphism
Avena sativa 4717
Eccoilopus 4189
Erianthus 4189
Manihot 1972

Evolution *cont.*
restriction fragment length polymorphism *cont.*
Miscanthus 4189
Narenga 4189
Pinus 5929
plants 1446
Prunus, cherries 1991
Saccharum 4189
Sclerostachya 4189
Solanum 5269
Theobroma cacao 4720, 5902
Vicia 5918
Vicia faba 5918
Zea mays 924
restriction mapping
Leersia 1432
Luziola 1432
Olyra latifolia 1432
transfer RNA 5848
Exacum affine, tissue culture, somatic embryogenesis 2073
Exons
annexins, fowls 3448
EF-hand
nucleotide sequences
fowls 2912
laboratory mammals 2912
introns, boundaries, genes, structure, techniques 3125
isolation, polymerase chain reaction, mice 4740
splicing, tropomyosins, gene expression, muscles, rats 6342
trapping, polymerase chain reaction, vertebrates 1457
troponin, splicing, element, fowls 2424
Exotoxins, ELISA, detection, *Pasteurella multocida,* pigs 1494
Experimental design, gene mapping, livestock 5246, 6465
Experimental infection, recombinant vaccines, recombination, Aujeszky virus, pigs 142
Extensin
gene expression
Lycopersicon esculentum 3898
Nicotiana plumbaginifolia 2265
Zea mays 1897
genetic engineering
Nicotiana plumbaginifolia 2265
Nicotiana tabacum 1819
nucleotide sequences, *Nicotiana tabacum* 1819
promoters, *Nicotiana plumbaginifolia* 2265
Extraction
DNA
Daucus carota 6585
Proteaceae 6575
Prunus 6574
Rubus idaeus 6574
Vitis 6574
RNA
Abies grandis 6573
Glycine max 6587
Pinus contorta 6573
Pinus taeda 6573
Pseudotsuga menziesii 6573
Taxus brevifolia 6573
techniques, *Ornithodoros moubata,* anticoagulants, production, *Saccharomyces cerevisiae* 1187
Eye lens
crystallins
nucleotide sequences, geese 3462
transcription, regulation, fowls 2403
gene expression, neurofilaments, promoters, transgenics, mice 3336
proteins, nucleotide sequences, cattle 665
vimentin, promoters, fowls 3001
Eyelids
activin, targeted mutagenesis, mice 3925
inhibin, targeted mutagenesis, mice 3925
Eyes
cells, toxins, diphtheria, gene expression, macrophages, mice 587
gefiltin
gene expression, fishes 2896
nucleotide sequences, fishes 2896
Eyes *cont.*
glutamates
receptors
gene expression, rats 686
nucleotide sequences, rats 686
glutathione peroxidase, gene expression, cattle 3439
Fagopyrum esculentum
anther culture, regeneration 3758
genetic transformation, *Agrobacterium rhizogenes* 3398
in vitro culture
flavonoids 3398
phenolic compounds 3398
random amplified polymorphic DNA 3086
Fagopyrum tataricum, random amplified polymorphic DNA 3086
Fagus
nucleotide sequences
evolution 4548
ribulose-bisphosphate carboxylase 4548
Fagus sylvatica, genetic markers, restriction fragment length polymorphism 4732
Faidherbia albida, tissue culture 4246
Fallow deer
oestrus
synchronization
PMSG 525
progesterone 525
prostaglandins 525
reviews 1589
pregnancy rate, oestrus, synchronization 525
Far red light
gene expression, *Arabidopsis thaliana* 281
nucleotide sequences, *Arabidopsis thaliana* 281
Farmers' rights 2184
Fat, carcass composition, somatotropin, pigs 2165
Fattening performance
β-adrenergic agonists
pigs 1605
reviews 4339
choriomammotropin, sheep 2686
LHRH, immunization, pigs 3777
somatoliberin, immunization, breed differences, cattle 2683
somatotropin
breed differences, pigs 2691
cattle 1077, 2688
environmental temperature, pigs 1601
hypothalamic releasing hormones, cattle 1602
pigs 1078, 2165, 2685, 6080
reviews 4339
rabbits 3256
sheep 1077, 2686
thyrotropin releasing hormone, cattle 1602
Fatty-acid synthase, transcription, insulin, cell lines 809
Fatty acids
binding proteins
nucleotide sequences, intestines, pigs 5071
promoters, gene expression, transgenics, mice 5758
transcription
transgenics
cell lines 592
mice 592
biotransformation, *Pleurotus pulmonarius* 6203
cell culture, *Theobroma cacao* 2100
genetic engineering
Brassica napus 3346
rape 3350
fatty oil plants 4420
oilseed plants, conferences 4419
plants 5545
restriction fragment length polymorphism, *Zea mays* 5310
somatotropin, milk composition, cattle 4338
tissue culture, *Pleurotus pulmonarius* 6203
Fatty oil plants
chloroplast genetics
ribulose-bisphosphate carboxylase 1828
taxonomy 1828
genetic engineering, fatty acids 4420
genetic transformation, male sterility 2156
nucleotide sequences
ribulose-bisphosphate carboxylase 1828
taxonomy 1828
Feed additives
nitrogen, excretion, probiotics, pigs, reviews 5437
oilseeds, conferences 6081
Feed conversion efficiency, probiotics, *Bacillus coagulans,* biomass 5436
Feeds
genetic engineering 2167
production
cassava peel, fermentation, *Rhizopus* 4897
lignocellulosic wastes, biodegradation, *Pleurotus* 5444
plant residues, biodegradation, *Pleurotus* 5444
somatotropin, uptake, growth, fishes 3779
Feline calicivirus, antigenic determinants, nucleotide sequences 1156
Feline herpesvirus, glycoproteins, nucleotide sequences 69
Feline immunodeficiency virus
nucleotide sequences 1146
cats 1145
RNA
alternative splicing, gene expression 1158
transcription 1158
Female fertility
androstenedione
immunization
sheep 1074
reviews 1590
hydrocortisone, immunization, sheep 2154
testosterone, immunization, sheep 2154
Fenthion
gene expression, *Lycopersicon esculentum* 5532
mutations, *Lycopersicon esculentum* 5532
Fermentation, *Zea mays,* alcohols, biogas, production 2704
Ferredoxin-NADP$^+$ reductase, nucleotide sequences, *Oryza sativa* 5622
Ferric leghaemoglobin reductase, gene expression, *Glycine max* 5112
Ferritin
ELISA, detection, horses 2582
gene expression
Escherichia coli, horses 4524
Glycine max 4091
Zea mays 313
nucleotide sequences
horses 4524
Vigna unguiculata 4573
polymerase chain reaction, *Vigna unguiculata* 4573
Ferrochelatase
nucleotide sequences
Cucumis sativus 6292
Hordeum vulgare 6292
Fertility
anther culture, *Hordeum vulgare* 3762
chimaeras, intraspecific, primordial germ cells, transfer, fowls 978
gene expression, *Brassica napus* 3776
genetic engineering, *Arabidopsis thaliana* 3776
genetic transformation, *Brassica napus* 3776
marker genes, satellite DNA, sheep 3063
oestrogens, receptors, targeted mutagenesis, embryonic stem cells, mice 2290
plasminogen activator, targeted mutagenesis, mice 3920
spermatozoa, flow cytometry, pigs 5324

Fertilization
molecular genetics
in vitro culture, *Zea mays* 2158
plants 1598
oocytes
freezing, cryoprotectants, cattle 4304
transfer, oviducts, pigs 5371
ovule culture, *Hordeum vulgare* 6055
protoplasts, *Hordeum vulgare* 6055
techniques, *Zea mays* 4336
Zea mays 2138, 2141
Festuca arundinacea
cell culture 5985
restriction fragment length polymorphism 4195
Festuca rubra
DNA hybridization 1875
genetic transformation, phosphinothricin acetyltransferase 4952
protoplasts, phosphinothricin acetyltransferase 4952
α-Fetoprotein
activation
ovalbumin, promoters, transcription factors, rats 4049
retinoids, receptors, rats 4049
gene expression, transgenics, mice 2820
nucleotide sequences, rats 3504
repression
ovalbumin, promoters, transcription factors, rats 4049
retinoids, receptors, rats 4049
targeted mutagenesis, transcription, DNA binding proteins, rats 3504
enhancers, promoters, transcription, rats 838
Fetus
body weight, somatotropin, pigs 2687
growth, somatotropin, sheep 2689
muscles, fibres, number, somatotropin, pigs 2687
sex diagnosis, ultrasonics, horses 2600
Fibre, digestion, rumen microorganisms, genetic engineering 2166
Fibrin, plasminogen activator, targeted mutagenesis, mice 3920
Fibrinogen
receptors
nucleotide sequences
mice 2887
rats 2887
Fibroblast growth factors
gene expression, antisense DNA, embryos, fowls 1301
oocytes, *in vitro* maturation, cattle 6671
receptors
DNA, alternative splicing, kidneys, development, rats 5154
gene expression
epidermis, transgenics, mice 597
kidneys, rats 5154
mice 1300
rats 716
nucleotide sequences
kidneys, rats 5154
mice 1300
rats 716
RNA, alternative splicing, mice 1300
RNA, alternative splicing, embryos, fowls 1301
Fibroblasts
blood coagulation factors
gene transfer
gene therapy, mice 4939
retroviral vectors
mice 1665
rats 1665
brain-derived neurotrophic factor, gene transfer, gene therapy, nervous system diseases, rats 4927
encapsulation, somatotropin, transfection, gene therapy, mice 3308
gene transfer, β-glucuronidase, lysosomes, storage disorders, gene therapy, mice 3352
mitosis, proto-oncogenes, disruption, cell culture, mice 154
proto-oncogenes, mutations, genetic transformation, rats 3417
transcription factors, gene expression, fowls 841
Fibroblasts *cont.*
transplantation, somatotropin, production, transgenics, mice 3308
tropomyosins, RNA, alternative splicing, rats 5730
Fibronectins
promoters, c-AMP, response element, DNA binding proteins, rats 3533
targeted mutagenesis, embryo mortality 3926
Ficus elastica, ELISA, tomato spotted wilt tospovirus 436
Ficus pumila, ELISA, tomato spotted wilt tospovirus 436
Filamin, promoters, nucleotide sequences, fowls 2316
Fishes
actin
enhancers, transcription, regulation, transgenics 590
promoters, transcription, regulation, transgenics 590
activin, nucleotide sequences 2895
androgenesis
diploidy, induction, heat shock 6059
induction, ultraviolet radiation 6059
biosafety
genetic engineering, conferences 6738
transgenics, conferences 5454
calcitonin
gene expression 5060
nucleotide sequences 5060
chromosome banding, restriction endonucleases 5259
cytochrome *b,* nucleotide sequences 2908
DNA fingerprinting 880
parentage 1420
species differences 4201
DNA libraries, immunoglobulins 6238
embryos
blastomere, freezing, survival 969
freezing, survival 1525
flow cytometry, detection, heteroploidy, ova 4750
food safety, transgenics, conferences 5454
foods, biosafety, transgenics 4362
β-galactosidase, gene expression, transgenics 564
gefiltin
gene expression, eyes 2896
nucleotide sequences, eyes 2896
gene expression
luciferase, transgenics 2764
segment polarity, embryonic development 5739
gene mapping, DNA, restriction fragment length polymorphism 915
gene transfer
electroporation 564
somatotropin, growth 2223
spermatozoa, electroporation 1136, 3846
genes
axial
gene expression, mutations, cyclops 266
nucleotide sequences 266
homeo box, nucleotide sequences 3970
segment polarity, nucleotide sequences 5739
tumour suppression, nucleotide sequences 2326
genetic engineering, antifreeze proteins 1613
globins, nucleotide sequences 4526
glutathione transferase, nucleotide sequences 679
GnRH, gene expression, reviews 4030
growth
somatotropin 5435
triploidy 1603
gynogenesis
breeding season, cloning 1075
DNA hybridization 4123
haploids, gene mapping 6479
hatching
embryos, freezing 1525
spawning, induction 6065
histones, nucleotide sequences 1768
Fishes *cont.*
immunoglobulins
molecular genetics 3951
nucleotide sequences 176
insulin, nucleotide sequences 1777
insulin-like growth factor
nucleotide sequences 195, 3954
RNA, alternative splicing 195, 3954
interferon, nucleotide sequences 4525
leukaemia, Retroviridae, isolation, cell lines 63
luciferase, gene expression, transgenics 564
lymphocystis virus, nucleotide sequences 81
major histocompatibility complex
molecular genetics 3951
nucleotide sequences 1229
microglobulins, nucleotide sequences 653, 688
microsatellites
DNA, polymorphism, France 6490
gene mapping 4143
minisatellites
genetic polymorphism 639
nucleotide sequences 639
mitochondrial DNA
isolation, *Oncorhynchus mykiss* 409
nucleotide sequences 3436, 4503
populations 5871
restriction fragment length polymorphism 910, 2495, 2507, 4131, 4672
species differences, subspecies 6499
strain differences 4128
NAD^+ ADP-ribosyltransferase, nucleotide sequences 3973
nucleotide sequences
isotocin 1403
vasotocin 1403
oestrogen receptors, nucleotide sequences 692
oocytes
in vitro maturation 6676
maturation
dopamine, antagonists 6066
GnRH, analogues 6066
HCG 6066
ovulation, *in vitro,* epinephrine 6042
prolactin, nucleotide sequences 6229
random amplified polymorphic DNA, gene mapping 4143
recombinant vaccines
interferon, Rhabdoviridae 4525
reviews 607
Renibacterium salmoninarum
antigens, detection, ELISA 419
diagnostic techniques, comparisons 418
repetitive DNA
nucleotide sequences 5041
species differences 1789
restriction fragment length polymorphism 4125
RNA hybridization, embryos, techniques 4211, 4218
satellite DNA
DNA fingerprinting 3597
nucleotide sequences 1228
restriction fragment length polymorphism 3597
semen, freezing, cryoprotectants 2124
sex chromosomes, polymorphism, DNA probes 6589
sex determination, DNA probes 3597
sex reversal
oestrogens, embryos 5426
testosterone 3771, 6061
somatolactin, promoters, gene expression 4053
somatotropin
cloning, gene expression, bacteria 6079
nucleotide sequences 640, 3941, 5435, 5582
promoters
DNA binding proteins
pituitary 3010
transcription 2979
pseudogenes, sex linkage 3941

Fishes *cont.*
somatotropin *cont.*
uptake, feeds, growth 3779
yeasts, probiotics 5438
spawning
induction
dopamine, antagonists 4326, 6062
GnRH, analogues 4326, 6062
gonadotropins 6065
HCG 4881, 5423
hypophysation 4326, 5423
LHRH 5423
analogues 5420
steroid hormones 6065
spermatozoa, haploidy, ultraviolet radiation 4312
transcription factors
gene expression, pituitary 3010
nucleotide sequences 1780, 3537
pituitary 3010
RNA, alternative splicing, embryonic development 3537
transgenics
bibliographies 2241
environmental impact, reviews 3275
triploidy
induction
body weight 1593
cold shock
body weight 4859
gonads, development 4859
heat shock 1593
pressure 1593
ova 5426
sexual maturity 1593
vaccines, reviews 607
zona pellucida, homologues, nucleotide sequences 5594
Flagella
nucleotide sequences, *Bordetella bronchiseptica* 1139
proteins, nucleotide sequences, *Serpulina hyodysenteriae* 67
transcription, *Bordetella bronchiseptica* 1139
Flagellin, restriction fragment length polymorphism, *Borrelia japonica* 3882
Flavanols, tissue culture, *Cornus kousa* 4459
Flaveria pringlei
chloroplast genetics, triose-phosphate translocator 2940
gene expression, triose-phosphate translocator 2940
nucleotide sequences
glycine dehydrogenase (decarboxylating) 5659
triose-phosphate translocator 2940
Flaveria trinervia
chloroplast genetics, triose-phosphate translocator 2940
gene expression, triose-phosphate translocator 2940
nucleotide sequences, triose-phosphate translocator 2940
Flavin-containing monooxygenase, nucleotide sequences, rabbits 177
Flavivirus, ELISA, polymerase chain reaction, detection 3139
Flavonoid 3′,5′-hydroxylase
gene expression, *Petunia hybrida* 2944
genetic engineering, *Petunia hybrida* 4617
molecular genetics, *Rosa* 4617
nucleotide sequences, *Petunia hybrida* 2944
restriction fragment length polymorphism, *Petunia hybrida* 2944
Flavonoids
cell culture
Cephalocereus senilis 3725
Crataegus monogyna 4462
Glycyrrhiza echinata 1735
Liquidambar styraciflua 3391
Lithospermum erythrorhizon 4485
Scutellaria baicalensis 1739
DNA binding proteins, *Zea mays* 5800
gene expression
Antirrhinum majus 3035
Medicago truncatula 5804
Nicotiana tabacum 3035
Solanum melongena 2376
Flavonoids *cont.*
gene expression *cont.*
Vitis vinifera 5126
Zea mays 5800
genetic engineering
Petunia hybrida 600
plants 600
in vitro culture, *Fagopyrum esculentum* 3398
molecular genetics
plants 1356
Zea mays 6426
nucleotide sequences
Solanum melongena 2376
Vitis vinifera 5126
promoters
Antirrhinum majus 3035
Nicotiana tabacum 3035
tissue culture
Ceanothus americanus 4444
Crataegus monogyna 4462
Flavonol synthase
gene expression, *Petunia hybrida* 1808
nucleotide sequences, *Petunia hybrida* 1808
Flavonols
cell culture, *Vancouveria hexandra* 4491
gene expression, *Petunia hybrida* 6443
genetic transformation, *Petunia hybrida* 6443
mutations, *Petunia hybrida* 6443
Flavour compounds, tissue culture, *Allium schoenoprasum* 6010
Flavour enhancers
biotransformation, plants, reviews 2275
in vitro culture, plants, reviews 2275
Flavourings
biotransformation, plants, reviews 2275
in vitro culture, plants, reviews 2275
Flocks, variation, DNA fingerprinting, sheep 3596
Flooding
gene expression, *Oryza sativa* 1294
nucleotide sequences, *Oryza sativa* 1294
somaclonal variation, *Oryza sativa* 160
Floral binding protein
gene expression, *Petunia hybrida* 2427
genetic engineering, *Petunia hybrida* 2427
Flow cytometry
books 2740
cell division, *Zea mays* 4745
chromosomes, *Lycopersicon pennellii* 4153
detection, heteroploidy, ova, fishes 4750
DNA
books 2568
Cucumis sativus 2025
Gossypium hirsutum 4204
Pinus 2033
Vaccinium 2023
Zea mays 4745
DNA libraries, chromosomes, mice 3610
DNA probes, chromosomes, rats 4208
DNA sequencing, fluorescent dyes, nucleotides, detection, lasers, techniques 4746
germination, *Zea mays* 4745
mixoploidy, *Cucumis sativus* 2025
plants, reviews 6567
Poa pratensis 4888
polyploidy, *Vaccinium* 2023
spermatozoa
fertility, pigs 5324
X-Y separation
fowls 1071
livestock 3232
mammals 1071
rabbits 3232
techniques, books 3835
Triticeae 6572
Flowering
cloning
Arabidopsis thaliana, genetics, flowering 1351
flowering
Arabidopsis thaliana, genetics 1351
Pisum sativum, genetics 1351
Triticum aestivum, genetics 1351
Oryza sativa 6349
Flowering *cont.*
cloning *cont.*
Pisum sativum, genetics, flowering 1351
Triticum aestivum, genetics, flowering 1351
gene expression 1344, 1354, 1367, 1379
Antirrhinum majus 3549
Arabidopsis thaliana 3486, 3549
genetics, flowering 1351
flowering
Arabidopsis thaliana, genetics 1351
Pisum sativum, genetics 1351
Triticum aestivum, genetics 1351
Nicotiana tabacum 6349
Oryza sativa 6349
Pisum sativum, genetics, flowering 1351
Triticum aestivum, genetics, flowering 1351
gene mapping, *Arabidopsis thaliana* 2542
genetic transformation, *Nicotiana tabacum* 6349
molecular genetics
Arabidopsis thaliana 1877
books 1643
nucleotide sequences
Arabidopsis thaliana 3486
Nicotiana tabacum 231
restriction fragment length polymorphism, *Arabidopsis thaliana* 2542
tissue culture, *Dendrobium candidum* 2658
Flowers
co-suppression, *Dendranthema grandiflora* 4417
gene expression
Antirrhinum 1881, 1907, 1909
Antirrhinum majus 2457, 4650
Arabidopsis thaliana 345, 1881, 1909, 1914, 5212
Aranda 1817
Dianthus caryophyllus 2486
Lycopersicon esculentum 4018, 4104, 5791
Nicotiana sylvestris 4618
Nicotiana tabacum 287, 3482, 4618
Nicotiana tomentosiformis 4618
Petunia 309, 1907
Petunia hybrida 1902-1903
Pisum sativum 1915
plants 1882, 5783, 5823
Solanum tuberosum 1802
Zea mays 1832
gene mapping, *Pharbitis nil* 4715
gene tagging, *Antirrhinum majus* 6299
genetic engineering
Arabidopsis thaliana 345
ornamental herbaceous plants 6169
Petunia hybrida 342
plants 3574, 5518
Rosa 6169
genetic transformation
Arabidopsis thaliana 5212
Dendranthema grandiflora 4417
Lycopersicon esculentum 4018, 4104
Nicotiana tabacum 1325, 3482
Triticum aestivum 6147
molecular genetics
Antirrhinum 1909
Arabidopsis thaliana 1909, 1914
Petunia hybrida 1902
plants 1356, 3574
mutations
Antirrhinum majus 6299
Petunia hybrida 342
Pharbitis nil 4715
nucleotide sequences
Antirrhinum majus 4650, 6299
Aranda 1817
Brassica oleracea 201
Lycopersicon esculentum 4018
Nicotiana tabacum 3482
Petunia hybrida 342
Solanum tuberosum 1802
Zea mays 1832
promoters
Lycopersicon esculentum 4104
Petunia 309

Flowers *cont.*
RNA probes, *Lycopersicon esculentum* 5791
somaclonal variation
Solanum tuberosum 3928
Zinnia marylandica 2308
tissue culture, *Dianthus* 3177
transposable elements
Antirrhinum majus 2457
Pharbitis nil 4715
Fluidized beds, bioreactors, coal, liquifaction, hydrodynamics 6085
Fluorescence
chromosome translocation, detection, DNA hybridization 4756
DNA hybridization
DNA probes, isolation, gene mapping, pigs 3079
gene mapping, DNA, stretching, techniques 4754
uridine monophosphate synthase, gene mapping, cattle 3055
energy transfer, DNA, structure, techniques 4212
gene expression, *Nicotiana tabacum* 6577
labelling
DNA hybridization 3133
microsatellites, polymorphism, polymerase chain reaction, products 5323
tissue culture, *Nicotiana tabacum* 6577
Fluorescence microscopy
calcium, release, channels, gene mapping, pigs 6463
DNA hybridization, cytogenetics, reviews 6563
glucose-6-phosphate isomerase, gene mapping, pigs 6463
somatotropin, gene mapping, pigs 6463
triacylglycerol lipase, gene mapping, pigs 6463
Fluorescent dyes
DNA sequencing
electrophoresis, capillary gels, techniques 4736, 4747
flow cytometry, nucleotides, detection, lasers, techniques 4746
polymerase chain reaction, products, detection, techniques 5341
Fluridone, tissue culture, *Solanum tuberosum* 6631
Fodder legumes
gene expression
Rhizobium 4107
symbiosis 4107
Follicular fluid
oocytes
in vitro maturation, cattle 4866
maturation, embryos, *in vitro* development, cattle 4314
Follistatin
cattle 5583
gene expression, mammals, reviews 4066
gene mapping, DNA hybridization, pigs 6462
Folylpolyglutamate
cell culture, *Datura fastuosa* 5010
in vitro culture, *Datura fastuosa* 5010
Food
biosafety, biotechnology 4359
economics, biotechnology 4359
Food consumption, DNA fingerprinting, fowls 2505
Food conversion
DNA fingerprinting, fowls 2505
somatotropin
cattle 2684
sheep 3769
transgenics, livestock 2166
Food industry, food supply, trends 1618, 1638
Food safety, transgenics, fishes, conferences 5454
Food supply, trends, food industry 1618, 1638
Foods
biosafety
genetic engineering, conferences 6738
transgenics
fishes 4362
livestock 3275
Foods *cont.*
biosafety *cont.*
transgenics *cont.*
livestock *cont.*
reviews 3274
USA 3273
biotechnology, legislation, European Communities 5458
DNA probes, detection, mycotoxins, reviews 2595
ELISA
detection
aflatoxins 5358
herbicides 5358
mycotoxins, reviews 2595
Salmonella 5358
ethics
genetic engineering 3816
UK, reports 3820
genetic engineering
biosafety
ethics, reviews 5457
USA 6727
ethics 3284
legislation
European Communities 5458
reviews, UK 5457
public relations 3284
regulations, USA 6727
release, USA 6727
labelling, genetic engineering, UK 5458
public opinion, genetic engineering 3816
safety, genetic engineering 3816
Forest trees
biotechnology 2750
cost benefit analysis 4907
genetic engineering, reviews 3841
genetic markers 4705
genetic transformation, reviews 3841
random amplified polymorphic DNA 4176
restriction fragment length polymorphism 4176
tissue culture 4252
Formate dehydrogenase
mitochondrial genetics, *Solanum tuberosum* 1246
nucleotide sequences, *Solanum tuberosum* 1246
Formononetin, cell culture, *Glycyrrhiza glabra* 983
Forskolin, tissue culture, *Coleus forskohlii* 4461
Fortunella, restriction fragment length polymorphism, chloroplast genetics 5933
Fowls
actin
filament associated proteins, nucleotide sequences 5039
promoters, gene expression 2235
adenosinetriphosphatase, nucleotide sequences 709
agrin
gene expression, embryos 1321
RNA, alternative splicing, embryos 1321
γ-aminobutyric acid
receptors
gene expression 3517
nucleotide sequences 3517
annexins
exons 3448
promoters, nucleotide sequences 3448
antigens, lymphocytes, restriction fragment length polymorphism 2498, 3586
antithrombin
gene expression, development 241
nucleotide sequences 241
aviadenovirus, antigens, detection, ELISA 417
binding proteins
Y-box
gene expression, liver 5729
nucleotide sequences, liver 5729
biolistics, gene transfer, trachea 2207
body weight, DNA fingerprinting 2505, 3053
chimaeras
embryos, cells, transfer, reviews 1691
Fowls *cont.*
chimaeras *cont.*
intraspecific, primordial germ cells, transfer, fertility 978
primordial germ cells 596
chondroitin sulfate, cartilage, nucleotide sequences 2329
chromatin, nucleosomes, assembly, globins, promoters 5166
chromosomes, structure, repetitive DNA 2338
collagen
nucleotide sequences 680, 1232
RNA, alternative splicing 1232
transcription, chondrocytes 836
crystallins
promoters, transcription factors 252
transcription, regulation, eye lens 2403
cyclins, nucleotide sequences 3433
cystatin
gene expression 2985
nucleotide sequences 2985
DNA, uptake, receptors, endocytosis, cells 4956
DNA binding proteins, silencers, vimentin 3512
DNA fingerprinting 5252
breed differences 6588
DNA probes 3583
DNA repair, recombination, nucleotide sequences 5022
Eimeria tenella, detection, ELISA 4231
endogenous viruses
detection, polymerase chain reaction 2573
genes, identification, polymerase chain reaction 6472
restriction fragment length polymorphism 6503
exons, EF-hand, nucleotide sequences 2912
fibroblast growth factors
gene expression, antisense DNA, embryos 1301
RNA, alternative splicing, embryos 1301
filamin, promoters, nucleotide sequences 2316
food consumption, DNA fingerprinting 2505
food conversion, DNA fingerprinting 2505
G proteins
gene expression 1853
nucleotide sequences 1853
gene expression
homeo box
DNA hybridization, embryos 5735
spine, embryos 2990
liver, gene transfer, retroviral vectors 581
silencers, vimentin 3512
gene transfer, spermatozoa, irradiation 1697
genes
homeo box
gene expression, embryos 699
nucleotide sequences 2990, 5167
embryos 699
promoters, DNA binding proteins 5167
introgression, breeding programmes 2805
morphogenesis, nucleotide sequences, embryonic development 5753
globins
DNA, hypersensitivity, gene mapping 5188
DNA replication, deoxyribonuclease I, hypersensitivity 4029
enhancers, nucleotide sequences 5614
gene expression 5718
silencers, nucleotide sequences 5614
transcription, promoters, chromatin, structure 770
gonads, chimaeras, germ cells, injection, embryos 6159
growth factors, stem cell factor, nucleotide sequences 3464

Fowls *cont.*
haemagglutinins, influenzavirus, immunization 2207
heat shock proteins, linkage 6471
histones, linkage 6471
immune response, selection, restriction fragment length polymorphism 3074
immunoglobulins, gene conversion, pseudogenes, B lymphocytes 5745
in vitro development, transgenics 2232
in vitro fertilization, ova, hatching 6068
infectious bronchitis virus, diagnosis, DNA probes, polymerase chain reaction 1489
inhibin, subunits, nucleotide sequences, granulosa cells 5617
interleukins, nucleotide sequences, T lymphocytes, activation 5587
introns, EF-hand, nucleotide sequences 2904
lamins, gene expression, nuclei 827
laying performance, DNA fingerprinting 2505
lectins
linkage, major histocompatibility complex, DNA probes 3047
nucleotide sequences 3047
LH, nucleotide sequences, reviews 1774
major histocompatibility complex
gene mapping, restriction fragment length polymorphism 5253
nucleotide sequences 706, 1783, 5573
polymerase chain reaction, single strand conformation polymorphism 5863
restriction fragment length polymorphism 898, 3605, 4138
recombination 3595
metallothionein, DNA, nucleotide sequences 1786
mitochondrial DNA, restriction fragment length polymorphism, species differences 4148
Mycoplasma iowae, diagnosis, polymerase chain reaction 1509
myosins, promoters, transcription factors, gene expression, heart 5767
nucleoproteins
gene expression 647
nucleotide sequences 647
nucleotide sequences, silencers, vimentin 3512
oncogenes
gene expression, pancreas 6347
restriction fragment length polymorphism 4510
ornithine carbamoyltransferase
gene mapping, DNA hybridization 885
promoters, transcription factors 793
ovalbumin
molecular genetics, reviews 1861
promoters, transcription factors, peroxisome proliferator responsive element, binding 5747
pancreatic polypeptide, nucleotide sequences 2913
phosphotyrosyl phosphatase
gene expression 1225
nucleotide sequences 1225
plasmids, gene transfer, spermatozoa 1667
primordial germ cells, gene transfer, retroviral vectors, transgenics 1696
progesterone, receptors, DNA, binding site 815
protein kinase
nucleotide sequences 705
receptors, nucleotide sequences 3445
proteins
recombination
gene expression 641
nucleotide sequences 641
synaptic vesicle membrane, gene expression, embryos 2404
prothrombin, nucleotide sequences 4500
proto-oncogenes
gene expression 1226
nucleotide sequences 1226
transcription, DNA binding proteins 5155

Fowls *cont.*
recombinant vaccines, influenzavirus 2207
repetitive DNA
chromosomes, telomeres, DNA hybridization 1956
restriction fragment length polymorphism 3588, 6460
Y chromosome 3602
retrotransposons, reverse transcriptase 178
species differences 3611
reporter genes
gene transfer, embryos 6129
microinjection, gene transfer, embryos 2232
restriction fragment length polymorphism 2503
proto-oncogenes 5860
Retroviridae, vectors, reporter genes, gene expression, embryos 5471
riboflavin, binding proteins, mutations, nucleotide sequences 2331
ribosomes
nucleotide sequences 4516
proteins
nucleotide sequences 3968, 3990
promoters, gene expression 3968
satellite DNA, restriction fragment length polymorphism 3601, 5052
serine proteinase
inhibitors
gene expression, development 241
nucleotide sequences 241
sex determination, restriction fragment length polymorphism, reviews 4129
somatotropin
receptors, mutations, nucleotide sequences, dwarfism 1304
restriction fragment length polymorphism, gene frequency, carcass composition, fat, selection, effects 1399
spermatozoa, X-Y separation, flow cytometry 1071
transcription factors
gene expression, fibroblasts 841
heat shock
gene expression 5749
nucleotide sequences 5749
troponin, exons, splicing, element 2424
tyrosine kinase
gene expression 1316
nucleotide sequences 1316
receptors
gene expression 1226
nucleotide sequences 1226
vimentin, promoters, eye lens 3001
vitamin D, receptors, promoters, binding elements, intestines 4578

Foxes
embryos
biotechnology, reviews 2054
in vitro development 2057
oocytes
in vitro fertilization, LH 2121
in vitro maturation, LH 2121

Fragaria
gene expression, ethylene 3561
in vitro culture, ethylene 3714

Fragaria ananassa
cell culture 2617
gene expression
auxins 6406
insects 2244
ripening 6406
genetic transformation, insects 2244
in vitro selection, *Phytophthora fragariae* 2306
tissue culture, vitrification 998

Fragrance
biotransformation, plants, reviews 2275
in vitro culture, plants, reviews 2275
tissue culture, *Pelargonium* 3392

France
conferences, COGENE Symposium 6737
genetic engineering
biosafety 2188
legislation 2733
release 2188, 2733

France *cont.*
microsatellites, DNA, polymorphism, fishes 6490

Francisella tularensis
detection, polymerase chain reaction, sheep 3146
monoclonal antibodies, production, hybridomas 5012

Frankia, symbiosis, *Alnus glutinosa* 320

Frankliniella occidentalis, immunological techniques, tomato spotted wilt tospovirus 446

Fraxinus angustifolia, tissue culture, micropropagation 6641

Freemartins
detection, polymerase chain reaction, cattle 909
diagnosis, polymerase chain reaction, cattle 5334

Frequency, mutations, reporter genes, techniques, transgenics, mice 3664

Fructans
genetic transformation
Nicotiana tabacum 4418
Solanum tuberosum 5517

β-Fructofuranosidase
antibodies, *Daucus carota* 6323
gene expression, *Lycopersicon esculentum* 4563
nucleotide sequences
Daucus carota 6323
Lycopersicon esculentum 4563
antibodies, *Solanum tuberosum* 4643
gene expression
Daucus carota 329
Nicotiana tabacum 329
Solanum tuberosum 4643
genetic engineering, *Daucus carota* 329
genetic transformation
Nicotiana tabacum 329
Solanum tuberosum, reviews 6171
nucleotide sequences
Arabidopsis thaliana 5687
Daucus carota 329
Lycopersicon 726
promoters, *Daucus carota* 329

Fructokinase, nucleotide sequences, *Solanum tuberosum* 742

Fructose-bisphosphatase
gene expression
Beta vulgaris 4615
cattle 1231
plants, reviews 4076
nucleotide sequences
Brassica napus 4559
cattle 1231
pigs 3427
RNA, alternative splicing, cattle 1231

Fructose-bisphosphate aldolase, gene expression, *Acorus calamus* 1610

Fructosyltransferase, genetic transformation, *Solanum tuberosum* 5517

Fruit crops
genetic engineering, coat proteins, viruses 3899
patents 3812
protoplasts 2650
tissue culture 2639

Fruits
DNA hybridization, *Prunus persica* 5850
gene expression
Lycopersicon esculentum 5239, 5646
reviews 5795
Persea americana 207
Prunus persica 5850
genetic engineering, *Lycopersicon esculentum* 2187
genetic transformation, *Lycopersicon esculentum,* reviews 5795
molecular genetics, *Lycopersicon esculentum,* reviews 6379
nucleotide sequences
Lycopersicon esculentum 5646
Malus pumila 4012
polymerase chain reaction, *Prunus persica* 5850

FSH (*see also* Gonadotropins)
embryos, *in vitro* development, cattle 1582
gene expression
mammals, reviews 4052

FSH *cont.*
gene expression *cont.*
pituitary, testosterone, transgenics, mice 2228
genes, c-AMP responsive element modulator, transcription, spermatogenesis, mice 779
in polyethylene glycol, ovulation rate, sheep 4332
in vitro release, somatotropin, transgenics, mice 4973
LH
separation
ovulation, induction, horses 524
superovulation, horses 524
oocytes
cumulus oophorus, *in vitro,* mice 5410
in vitro fertilization
cattle 1582
sheep 5411
in vitro maturation
cattle 1582, 6671
pigs 2131, 3227, 4852, 6046
sheep 5411
recovery, pregnancy, cattle 2129
proto-oncogenes, transcription, Sertoli cells, cell cultures, mice 819
superovulation
cattle 508, 529, 531, 1068, 1070, 1596, 4795, 4886
embryos
cattle 3766
in vitro development, mice 5425
recovery
cattle 2153, 3246, 3768, 4886, 5429, 6694
goats 2146, 4883
mice 5425
sheep 5428, 6693
goats 1069
oestrous cycle, buffaloes 2152
ovaries, follicles, development, cattle 2150
Père David's deer 6058
rabbits 1592
red deer 6058
α-L-fucosidase, restriction fragment length polymorphism, gene mapping, rats 3592
Fuel cells, microbial, carbohydrates, utilization, *Proteus vulgaris* 6083
Fuels
production
carbon dioxide, utilization, reviews 6090
cellulosic wastes, utilization, reviews 6090
starch, utilization, reviews 6090
transport, ethanol production, biomass, USA 4898
Fulvia fulva
cloning, *Lycopersicon esculentum* 3914
gene expression
Lycopersicon esculentum 1707
virulence 4433
gene mapping, *Lycopersicon esculentum* 4712
gene tagging, *Lycopersicon esculentum* 3901
genetic engineering, avirulence 1707
genetic transformation 4712
Lycopersicon esculentum 3914-3915
induced mutations, *Lycopersicon esculentum* 4712
molecular genetics, *Lycopersicon esculentum* 4433
mutations, virulence 4433
nucleotide sequences
Lycopersicon esculentum 99
virulence 4433
random amplified polymorphic DNA, *Lycopersicon esculentum* 381
restriction fragment length polymorphism
Lycopersicon esculentum 381
resistance, *Lycopersicon esculentum* 388
Fumaric acid, production, grape must, utilization, *Candida hydrocarbofumarica* 4347
Fungal elicitors, cell culture, *Pimpinella anisum* 4477
Fungi
biotechnology 4913
DNA, techniques 4757
genetic engineering 3915
genetic transformation, *Nicotiana sylvestris* 2836
polymerase chain reaction, techniques 4757
Furbearing animals, gene banks, Scandinavia 4238
Fusarium culmorum, *in vitro* selection, *Triticum aestivum* 2872
Fusarium oxysporum
DNA amplification, *Lycopersicon esculentum* 4186
genetic transformation 4990
in vitro selection
Dianthus caryophyllus 622
Musa 6192
molecular genetics, *Lycopersicon esculentum* 4186
sorghum stalks, fermentation, ethanol production 6092
tissue culture, *Musa* 6192
Fusarium oxysporum* f.sp. *zingiberi, tissue culture, *Zingiber officinale* 4292
Fusarium solani
genetic transformation, *Nicotiana tabacum* 3908
in vitro culture
chitinase 3908
β-glucanase 3908
molecular genetics, *Nicotiana tabacum* 4549
Fusarium sporotrichioides, mycotoxins, trichothecenes, nucleotide sequences 2261
G proteins
cell culture, 2,4-D, *Nicotiana tabacum* 3023
DNA binding proteins, *Pisum sativum* 1459
gene expression
Arabidopsis thaliana 2476, 2483
central nervous system, mice 5075
2,4-D, *Nicotiana tabacum* 3023
fowls 1853
Lycopersicon esculentum 4534
membrane transport, mice 5076
Pisum sativum 350, 4016, 5710
rabbits 5728
rats 245, 2321, 4596
immunology, *Arabidopsis thaliana* 2483
nucleotide sequences
Arabidopsis thaliana 2476, 5093, 5132
brain, cattle 5608
2,4-D, *Nicotiana tabacum* 3023
fowls 1853
Glycine max 6256
Lycopersicon esculentum 4534
membrane transport, mice 5076
mice 5064, 5075
Oryza sativa 1264
Pisum sativum 4016, 5710
rabbits 5728
rats 245, 2321, 4596
tongue, taste papillae, cattle 4513
Vicia faba 5681
promoters
activation, retinoic acid, cell lines, mice 5028
nucleotide sequences, mice 5028
receptors
gene expression, tongue, rats 757
nucleotide sequences, tongue, rats 757
oocytes, activation, acetylcholine, mice 3236
RNA
alternative splicing
mice 5064
rats 245
targeted mutagenesis, embryonic stem cells, mice 615
Gaeumannomyces graminis
biological control, *Triticum aestivum* 538
DNA probes 427
polymerase chain reaction 427
Galactomannan, ELISA, detection 2581
β-Galactosidase
selection, techniques, bacteriophages, *Escherichia coli* 3664
gene expression, transgenics, fishes 564
β-Galactoside, binding proteins, gene mapping, DNA hybridization, mice 357
Galacturan 1,4-α-galacturonidase, nucleotide sequences, *Zea mays* 720
Galtonia candicans, tissue culture 2087
Galtonia viridiflora, tissue culture 2087
Gametes
freezing
embryos, *in vitro* development, mice 3686
pregnancy rate, mice 3686
micromanipulation, lasers, techniques, reviews 5346
Gametocides
gene expression, *Nicotiana tabacum* 6201
genetic transformation, *Nicotiana tabacum* 6201
Gametoclonal variation
morphology, *Oryza sativa* 4496
prolamins, triticale 1754
Gamma radiation
embryo culture
Citrus sinensis 2670
Poncirus trifoliata 2670
Theobroma cacao 6623
induced mutations, *Theobroma cacao* 6623
mutations, *Arabidopsis thaliana* 4205
ovule culture
Citrus sinensis 2670
Poncirus trifoliata 2670
protoplast fusion
Nicotiana plumbaginifolia 1122
Nicotiana sylvestris 1122
tissue culture
Nicotiana tabacum 480
Triticum aestivum 5999
Zea mays 6038
Gangliosides, activator proteins, nucleotide sequences, mice 637
Ganoderma applanatum
biodegradation
enzymes 6636
protoplasts 6636
biotransformation
enzymes 6636
protoplasts 6636
Gardenia jasminoides
biotransformation, alcohols 4442
cell culture, alcohols 4442
tissue culture, micropropagation 3181
Gas exchange, somaclonal variation, *Populus* 5556
Gastrin
binding proteins, nucleotide sequences, pigs 2884
gene expression, neoplasms, liver, transgenics, mice 39
Gastritis, H^+/K^+-exchanging ATPase, transgenics, mice 4403
GATT, biotechnology, patents 6730
Geese
crystallins, eye lens, nucleotide sequences 3462
endogenous viruses, restriction fragment length polymorphism 2577
Gefiltin
gene expression, eyes, fishes 2896
nucleotide sequences, eyes, fishes 2896
Geminivirus
cloning 410
DNA probes, crops 442
polymerase chain reaction 410
crops 442
restriction fragment length polymorphism, crops 442
Gene banks, furbearing animals, Scandinavia 4238
Gene conversion
immunoglobulins, pseudogenes, B lymphocytes, fowls 5745
leaves, *Zea mays* 5223
transposable elements, *Zea mays* 5223
Gene dosage
chromatin, *Nicotiana tabacum* 4630
lysozyme, *Nicotiana tabacum* 4630

Gene dosage *cont.*
matrix associated regions, *Nicotiana tabacum* 4630
position effect, *Nicotiana tabacum* 4630
zein, *Zea mays* 5780
Gene expression (*see also* RNA; Transcription)
abscisic acid 3556
Arabidopsis thaliana 2485, 4653, 4906, 5092, 5704, 6712
Bromus inermis 6715
cereals 304
Craterostigma plantagineum 4634, 4901
Helianthus annuus 5834
Hordeum vulgare 304
Nicotiana tabacum 5834
Oryza sativa 545
Picea glauca 4608
Pisum sativum 3481
plants, reviews 1615
Triticum aestivum 2356
Zea mays 279, 313, 4614, 5240, 6416, 6709
abscission, *Glycine max* 5215
ACC deaminase, *Lycopersicon esculentum* 855
ACC oxidase
Arabidopsis thaliana 334
Dianthus caryophyllus 285
Persea americana 1923
Phalaenopsis 1911
ACC synthase
Arabidopsis thaliana 334
Dianthus caryophyllus 285
Lycopersicon esculentum 2477
Oryza sativa 1294
acetolactate synthase, *Nicotiana tabacum* 854
acetyl-CoA carboxylase
Arabidopsis thaliana 6305
Medicago sativa 5692
acetylcholinesterase, RNA, alternative splicing, mice 799
acid invertase
Lycopersicon chmielewskii 2451
Lycopersicon esculentum 2451
acid phosphatase, promoters, iron, mice 2978
acid protease, *Medicago sativa* 1371
actin
Agrostis stolonifera 354
Avena sativa 4072
promoters
fowls 2235
transgenics, embryos, mice 2235
actinin, pigs 6241
activation, embryonic development, mice, reviews 2414
activin
DNA hybridization, rats 4033
mammals, reviews 4066
receptors, cell lines 2341
acyl-acyl-carrier-protein desaturase
Brassica napus 2438, 6311
Nicotiana tabacum 6311
acyl-carrier-protein thioesterase, *Brassica napus* 1816
adenosinetriphosphatase
Arabidopsis thaliana 4006, 5652
Atriplex nummularia 1912, 2720
Beta vulgaris 5708
Cucurbita pepo 2176
Nicotiana plumbaginifolia 4605
Nicotiana tabacum 2720, 4006, 6395
Pisum sativum 1915
rats 1221
Spinacia oleracea 6380
adenosylhomocysteinase, *Triticum aestivum* 6714
adenosylmethionine decarboxylase, *Nicotiana tabacum* 4636
adenosylmethionine synthetase, *Lycopersicon esculentum* 5635
adenylate cyclase
activating polypeptide
receptors
cell lines 1315
pituitary, rats 3532
activating protein, rats 5620

Gene expression *cont.*
adenylate cyclase-activating polypeptide, receptors, pituitary, rats 4580, 4593
adipocytes
differentiation, transcription factors, cell lines, reviews 627
membrane proteins, rats 5564
reviews 3003
β-adrenergic receptors, gene transfer, plasminogen activator, cell lines 2311
adrenomedullin, rats 4518
agglutination, *Pseudomonas putida, Phaseolus vulgaris* 95
aggrecan, brain, rats 5085
agrin, embryos, fowls 1321
Agrobacterium
Hordeum vulgare 2776
Nicotiana tabacum 2776
Agrobacterium rhizogenes
Nicotiana glauca 5623
Nicotiana langsdorffii 5623
Nicotiana tabacum 296, 506, 6353
Agrobacterium tumefaciens 286, 3571
Hordeum vulgare 1676
Lactuca sativa 575
Lolium perenne 1676
Nicotiana tabacum 294, 1119, 6134, 6264, 6388
Oryza sativa 1676, 6143
plants 1111
Solanum tuberosum 6264
Sorghum bicolor 1698
Agrocybe aegerita 1324
air pollution, plants, reviews 1609
alanine transaminase, *Hordeum vulgare* 4902
D-alanine transaminase, *Medicago sativa* 6270
alanine transaminase, *Panicum miliaceum* 4902
albumins
Arabidopsis thaliana 4607
Bertholletia excelsa 2245
Cucurbita 1894
mammary glands, transgenics, mice 4963
Nicotiana tabacum 1363, 2245
Picea engelmannii 4080
Picea glauca 4080
Pisum sativum 1363, 2245
Vicia faba 2245
Vicia narbonensis 2245
alcohol dehydrogenase
Acorus calamus 1610
kidneys, mice 3581
liver, mice 3581
Nicotiana tabacum 1290
Oryza sativa 5818
Petunia hybrida, Zea mays 1617
spleen, mice 3581
Zea mays 4638, 5818, 5824, 6351, 6366, 6392, 6429
alfalfa mosaic alfamovirus
Nicotiana tabacum 3018
Picea glauca 3018
alkaloids, *Eschscholzia californica* 2278
Allium cepa 3569
alternative oxidase, *Nicotiana tabacum* 6324
aluminium, *Triticum aestivum* 2721, 6714
amino acid permease, *Arabidopsis thaliana* 1904
γ-aminobutyric acid, receptors, fowls 3517
δ-aminolevulinic acid dehydratase, *Glycine max* 6394
amylase inhibitors, *Hordeum vulgare* 1270
α-amylase
Hordeum vulgare 865, 2475, 6421
Oryza sativa 1898, 6424, 6430, 6447
targeted mutagenesis, glucocorticoids, receptors, cell lines 2417
amyloid, transgenics, mice 4410
anaerobic conditions, *Hordeum vulgare* 5697
anaerobiosis
Oryza sativa 1294
plants, reviews 4903

Gene expression *cont.*
analysis, DNA hybridization, embryos, mice 264
androecium, *Lycopersicon esculentum* 1237
androgen-regulated protein, promoters, mice 664
androgens
receptors
promoters
c-AMP, mice 4048
mice 5146
rats 828
angiotensin
receptors
rats 2897
turkeys 1764
angiotensin converting enzyme, promoters, spermatozoa, mice 5733
angiotensinogen
blood pressure, transgenics, mice 583
mice 5005
anions
transporters
mice 2325
rabbits 2325
rats 2325
anisomycin, *Phaseolus vulgaris* 873
anoxia
Acorus calamus 1610
Hordeum vulgare 4902, 5697
Panicum miliaceum 4902
plants, reviews 4903
Zea mays 6351, 6392, 6429
anther culture, *Zea mays* 521
anthers 1377
Brassica napus 3776
Helianthus annuus 5844
Lycopersicon esculentum 1237
Nicotiana tabacum 1890, 5628
Sinapis alba 744, 5846
anthocyanins
Antirrhinum 1907
Antirrhinum majus 2469
Arabidopsis thaliana 3470
Lycopersicon esculentum 6377
Petunia 1907
Petunia hybrida 2469
Phaseolus vulgaris 1887, 4612
Solanum melongena 2376
Zea mays 1916, 2351, 2373, 2436-2437, 2439, 2469, 3549, 4625, 6150
anthranilate synthase, *Arabidopsis thaliana* 862
antibodies
Nicotiana tabacum 1185, 1731
plants 1185
antifreeze proteins
Medicago sativa 6099
Nicotiana tabacum 1613
antigens
Fas, transposable elements, mice 5140
heat stable, cell lines 2420
antisense DNA
Brassica napus 3776
Lotus corniculatus 5200
Lycopersicon esculentum 325, 1328, 1378, 2472, 2477, 4104, 6373
Nicotiana tabacum 1119, 1340, 1357, 2179, 3576, 4092, 4635, 5213, 6391
reviews 6427
Petunia hybrida 1350
plants 2021
Solanum tuberosum 355, 2372, 3560, 4641, 5209
Zea mays 2354
antisense RNA
laboratory mammals, reviews 2560
plants, reviews 856
antithrombin, development, fowls 241
antitrypsin, mammary glands, transgenics, sheep, reviews 3330
apoaequorin, *Nicotiana plumbaginifolia* 1348
apocytochrome *b* 746
Arabidopsis thaliana 724

Gene expression *cont.*
apolipoproteins
atherosclerosis, transgenics, mice 6161
deoxyribonuclease I, hypersensitivity, liver, mice 3871
enhancers, liver, transgenics, mice 3871
inflammation, dogs 1785
insulin, cell lines 242
insulin-like growth factor, cell lines 242
intestines, transgenics, mice 5193
promoters, liver, transgenics, mice 3871
transgenics
mice 38
reviews 4061
Arabidopsis thaliana 270
arachidonate 12-lipoxygenase, rats 1233
arginine decarboxylase, *Lycopersicon esculentum* 2471
aromatic-L-amino-acid decarboxylase
Catharanthus roseus 2357
Nicotiana tabacum 2357
arrestin, promoters, DNA binding proteins, mice 5737
Ascochyta pisi, Pisum sativum 1927
Ascochyta rabiei, Cicer arietinum 4022
ascorbate oxidase
Cucumis sativus 6415
Nicotiana tabacum 6415
ascorbate peroxidase, *Pisum sativum* 4098
asparaginase, *Nicotiana tabacum* 6378
aspartate-ammonia ligase
Asparagus officinalis 1250
Pisum sativum 3544
aspartate carbamoyltransferase, *Pisum sativum* 6328
aspirin, *Lycopersicon esculentum* 326
auxin binding proteins, *Zea mays* 338, 1259
auxins
Arabidopsis thaliana 3024
Fragaria ananassa 6406
Glycine max 5222, 5822
Hordeum vulgare 2776
Lycopersicon esculentum 2375
Nicotiana tabacum 275, 2776
Vigna radiata 6440
B lymphocytes, immunoglobulins, targeted mutagenesis, embryonic stem cells, mice 5006
Bacillus sphaericus, cyclomaltodextrinase, *Escherichia coli* 1297
bacteria
plants 1172
somatotropin, fishes, cloning 6079
Baculoviridae
insects, cells 2220
vectors, insects, cells 2771
benzyladenine, *Cucumis sativus* 3036
betaine-aldehyde dehydrogenase, *Spinacia oleracea* 6419
bile, glycoproteins, mice 3440
bile acids, binding proteins, rats 5145
binding proteins
genes, homeo box, retina, quails 5134
Nicotiana tabacum 2467
Y-box, liver, fowls 5729
blastokinin, promoters, rabbits 794
blood coagulation factors, transgenics, sheep 1694
blue light, *Arabidopsis thaliana* 3024
bone morphogenetic protein, embryos, mice 6231
books 6763
Botrytis cinerea, Nicotiana tabacum 3364
bradykinin
receptors
rats 5068
targeted mutagenesis, rats 5002
brain
ceramide UDP galactosyltransferase, rats 3451
neurofilaments, promoters, transgenics, mice 3336
serotonin, receptors, rats 2911
Brassica napus 1276, 3571, 4074

Gene expression *cont.*
brassinosteroids
Glycine max 4026, 5242
Lycopersicon esculentum 5242
brome mosaic bromovirus, *Saccharomyces cerevisiae* 107
C-reactive protein, promoters, liver, mice 5741
cadherins, mice 2992
cadmium
toxicity, metallothionein, transgenics, mice 158
Zea mays 5218
caffeic acid *O*-methyltransferase, *Nicotiana tabacum* 4635
calbindin, teeth, vitamin D, rats 761
calcitonin
fishes 5060
receptors, rats 632
calcium
channels
cyclic nucleotides, cattle 5023
mice 6228
calcium binding proteins, *Hordeum vulgare* 5632
calmodulin
binding proteins
brain, rats 5595
Zea mays 2960
Bryonia cretica 1801
Vigna radiata 5097
calpain, rats 5610
calponin
aorta, rats 2915
rats 5019
calreticulin, *Hordeum vulgare* 5632
capsanthin-capsorubin synthase, *Capsicum annuum* 5627
carbohydrates
Cucumis sativus 5798
Solanum tuberosum 3351
carbonate dehydratase
Arabidopsis thaliana 6265
Nicotiana tabacum 6404
Pisum sativum 6405
carnitine *O*-palmitoyltransferase, rats 774
carotenoids, *Zea mays* 5778
casein, promoters, hormonal control, mice 790
casein kinase, rats 183
catalase
Arabidopsis thaliana 4656
Hordeum vulgare 4775
Nicotiana tabacum 3016
Pisum sativum 4098
Ricinus communis 6315
Zea mays 3043, 3204, 3793, 5840, 6709
catechol *O*-methyltransferase
Nicotiana tabacum 1277
rats 3459
catenins, nervous system, mice 6242
cathepsin D inhibitor, *Lycopersicon esculentum* 326
cauliflower mosaic caulimovirus 3571
Nicotiana tabacum 1331
cecropin, *Solanum tuberosum* 2269
cell adhesion molecule, liver cells, rats 244
cell culture, *Nicotiana tabacum* 275
cell division
Antirrhinum majus 5204
Arabidopsis thaliana 2450, 5656
Catharanthus roseus 5656
Oryza sativa 1368, 2649
plants, reviews 867
Zea mays, reviews 867
cellobiohydrolase II, *Trichoderma longibrachiatum* 2315
cells, differentiation, embryonic development, mice, reviews 4046
cellulase
Glycine max 5215
Lycopersicon esculentum 1892
pancreas, mice 2804
Persea americana 1923
Sambucus nigra 5698
centrosomes, proteins, cell lines, mice 265
Cercospora, Zea mays 3043
Cercospora beticola, Beta vulgaris 5529

Gene expression *cont.*
Cercospora nicotianae, Nicotiana sylvestris 2848
cercosporin, *Zea mays* 3043
chalcone isomerase
Medicago sativa 1818, 5017
Phaseolus vulgaris 1887
chalcone *O*-methyltransferase, *Medicago sativa* 1818
chaperonins
Arabidopsis thaliana 3579
Escherichia coli 347
Nicotiana tabacum 347, 3579
chitin
disease resistance, plants, reviews 1373
pest resistance, plants, reviews 1373
chitinase
Beta vulgaris 5529
Brassica napus 91
Cucumis sativus 2464
Hordeum vulgare 3892
Nicotiana plumbaginifolia 2464
Nicotiana sylvestris 2848
Nicotiana tabacum 1168, 1899, 2464, 3893, 4431, 6407
Oryza sativa 2370
Phaseolus vulgaris 91, 6407
Pisum sativum 1927
Solanum tuberosum 3467, 3904
Vigna angularis 5655
chlorates, *Arabidopsis thaliana* 3498
chloride, channels, rats 3934
chlorophyll
Arabidopsis thaliana 4007
Hordeum vulgare 4621
chlorophyll *a/b* binding protein
Arabidopsis thaliana 5221, 6334, 6375
Brassica napus 297
Ginkgo biloba 2435
Gossypium hirsutum 843
Hordeum vulgare 1876
Petunia hybrida 4071
Pinus thunbergii 4025
Triticum aestivum 4658
chloroplast genetics 1364
Hordeum vulgare 1335
Oryza sativa 853, 6363
reviews 1926
Secale cereale 302
Spinacia oleracea 1347
chloroplasts
Arabidopsis thaliana 5652
Oryza sativa 3557
plants 2449
Sorghum bicolor 1360
Zea mays 850, 1360
chlorosis, *Hordeum vulgare* 4099
choriomammotropin, promoters, trophoblast, cell lines 822
chorismate synthase, *Lycopersicon esculentum* 1804, 5797
chromatin
high mobility group proteins, embryos, mice 4589
Nicotiana tabacum 4630
cinnamyl-alcohol dehydrogenase, *Picea abies* 1255
circadian rhythm
Arabidopsis thaliana 4604
Hordeum vulgare 1876, 3021
Lycopersicon esculentum 846
Pharbitis nil 1932
Sinapis alba 5107
citrus exocortis viroid, *Lycopersicon esculentum* 4436, 4984
cloning, vectors, antisense DNA, selectable markers, cell lines 4741
clusterin, embryos, mice 2892
co-suppression, *Petunia hybrida* 2427
coat proteins
plum pox potyvirus
Nicotiana benthamiana 2846
Nicotiana clevelandii 2846
Prunus armeniaca 2846
tobacco etch potyvirus, *Nicotiana tabacum* 2263
tomato bushy stunt tombusvirus 126
zucchini yellow mosaic potyvirus
Cucumis melo 101

Gene expression *cont.*
coat proteins *cont.*
zucchini yellow mosaic potyvirus *cont.*
Nicotiana tabacum 101
Cochliobolus carbonum, Zea mays 4987
α-coixin
Coix lacryma-jobi 4117
Nicotiana tabacum 4117
Zea mays 4117
cold
Arabidopsis thaliana 2485, 4604, 5092
Brassica napus 3494
Hordeum vulgare 1805, 6101
cold resistance
Arabidopsis thaliana 3790, 4906, 6712
Bromus inermis 6715
Hordeum vulgare 3791
Medicago sativa 1080, 1616, 5098, 6099
Nicotiana tabacum 1613, 6280
Solanum tuberosum 5446
Triticum aestivum 1245, 5675
Zea mays 3793, 6709
collagen
mice 5070
promoters
mice 3958
skull
transgenics
c-AMP, mice 37
parathyrin, mice 37
transgenics, cell lines, mice 5740
Colletotrichum lindemuthianum, Phaseolus vulgaris 873, 3580, 6175
Colletotrichum orbiculare, Cucumis sativus 2851
colour
Antirrhinum 1907
Antirrhinum majus 2457
Petunia 1907
Petunia hybrida 2944
Zea mays 1916
conglutinin, cattle 3457
β-conglycinin
Glycine max 3552, 5226
Nicotiana tabacum 3552, 5793
connexin
cell lines 3004
mice 3004
coproporphyrinogen oxidase
Glycine max 1267
mice 5590
corticoliberin, receptors, pituitary, mice 5080
4-coumarate-CoA ligase
Petroselinum crispum 3904
Glycine max 1287
Nicotiana tabacum 298
Petroselinum crispum 298
creatine kinase, muscles, transgenics, rats 5764
cruciferin, *Brassica napus* 3570, 6310, 6383
cucumber mosaic cucumovirus
Nicotiana benthamiana 2279
Nicotiana tabacum 2279
Solanum tuberosum 2279
cuticle, *Hyalophora cecropia* 6189
cyclins
Antirrhinum majus 5204
mammary hyperplasia, transgenics, mice 6167
cyclophilin
binding proteins, cell lines 180
Vicia faba 5664
cyprosin, *Cynara cardunculus* 5100
cystatin
fowls 2985
promoters, rats 652
cysteine endopeptidase, *Zea mays* 6246
cysteine proteinase, *Ricinus communis* 2359
cysteine proteinases
Actinidia deliciosa 1353
Arabidopsis thaliana 5448
Cicer arietinum 5630
Petunia hybrida 1353
cysteine-rich proteins, rats 1781

Gene expression *cont.*
cysteine synthase
Nicotiana tabacum 2179
Triticum aestivum 2179
cytochrome monooxygenase, *Zea mays* 6282
cytochrome-*c* oxidase
cattle 4521
Persea americana 1923
Zea mays 1385
cytochrome P-450
Catharanthus roseus 5116
Nicotiana tabacum 6201
cytochrome synthase, rats 4528
cytochromes
arachidonic acid epoxygenase, rats 5589
kidneys, mice 5724
Nicotiana tabacum 6312
nose, mucosa, rabbits 5602
Oryza sativa 6312
rabbits 783
rats 802, 3541
sex differences
guineapigs 760
mice 760
cytokeratin, epithelia, transgenics, mice 580
cytokines
rats 269
receptors
transcription factors
liver, rats 5184
mammary glands, rats 5184
cytokinins, *Nicotiana tabacum* 287, 6134
cytoplasmic inheritance
triticale 5817
Triticum 5817
cytoplasmic male sterility
Beta vulgaris 5708
Helianthus annuus 3252, 5844
Nicotiana 6700
Petunia hybrida 3546
Petunia parodii 3546
Phaseolus vulgaris 3250
Zea mays 3019
cytosol aminopeptidase, *Lycopersicon esculentum* 5531
2,4-D
cell division, *Nicotiana tabacum* 3023
G proteins, *Nicotiana tabacum* 3023
dactinomycin, *Phaseolus vulgaris* 873
dehydrin
Bromus inermis 6715
Prunus persica 6352
2-dehydro-3-dephosphoheptonate aldolase, *Lycopersicon esculentum* 5797
3-dehydroquinate synthase, *Lycopersicon esculentum* 1803
desiccation
Arabidopsis thaliana 5448
Craterostigma plantagineum 337, 4901
Lycopersicon esculentum 3268
development
Antirrhinum majus 3549
Arabidopsis thaliana 860, 3549, 5212, 5768, 5813, 5855
Avena sativa 4628
Hordeum vulgare 346
Linum usitatissimum 4611
Lycopersicon esculentum 4569, 5791
Nicotiana tabacum 346, 5699, 6349
Oryza sativa 860, 6349
Petunia hybrida 1902
plants 5823
regulation, vertebrates 2986
Zea mays 1897
reviews 5220
differential
development, intestines, pigs 5071
intestines, mice 5720
differentiation, *Zea mays* 4625
dihydrokaempferol 4-reductase 6414
Eustoma grandiflorum 3547
Glycine max 6434
Lotus corniculatus 5200
Lycopersicon esculentum 6377
Hordeum vulgare 1930
disease resistance
Nicotiana tabacum 3361

Gene expression *cont.*
disease resistance *cont.*
Solanum tuberosum, reviews 6432
diseases
Arabidopsis thaliana 3905
Nicotiana tabacum 3905, 4640
plants 3902
reviews 5789
disruption, keratin, epidermis, transgenics, mice 597
disulfide isomerase
Glycine max 2473
Medicago sativa 2473
Nicotiana tabacum 2473
dithiothreitol, *Nicotiana tabacum* 6417
DNA, injection, muscles, mice 4935
DNA binding proteins 5665
Agrobacterium tumefaciens 2380
Antirrhinum majus, reviews 278
Arabidopsis thaliana 1349, 5526
reviews 278
Avena sativa 4101
Coix lacryma-jobi 4117
globins
haematopoiesis, mice 5574
testes, mice 5574
Hordeum vulgare 2475
Lotus corniculatus 5820
Lycopersicon esculentum 3488
mice 784
Nicotiana tabacum 321, 4117
Oryza sativa 4101
Petroselinum crispum 5526, 5805
Pharbitis nil 1932
plants, reviews 278
prolactin, sheep 3987
promoters, muscles, development, mice 791
Raphanus sativus 5790
testes, mice 5719
Zea mays 292, 2481, 4117, 5224
reviews 278
DNA hybridization, *Oryza sativa* 1918
DNA methylation 1386
Bryonia cretica 290, 2446
DNA binding proteins, reviews 833
Linum usitatissimum 4611
Lycopersicon esculentum 1892
transgenics, mice 2234
DNA photolyases, *Arabidopsis thaliana* 3024
DNA topoisomerase, brain, rats 5762
dopamine, receptors, rats 4588
dormancy
Avena fatua 4078
Hordeum vulgare 4067
Pseudotsuga menziesii 4652
drought
Arabidopsis thaliana 5092, 5704
Helianthus annuus 2173
Pisum sativum 4098
drought resistance
Arabidopsis thaliana 2722
Lycopersicon esculentum 1345, 4539
Lycopersicon pennellii 1345
plants 542
drug resistance
nucleotide sequences, rats 765
targeted mutagenesis, corticotropin, cell lines 2286
dynamin, rats 259
effects, interleukins, nervous system, transgenics, mice 3323
elicitors
Arabidopsis thaliana 5526
Lycopersicon esculentum 5532
Petroselinum crispum 5526
Phaseolus vulgaris 3580, 6175
elongation factors
Arabidopsis thaliana 4601
Hordeum vulgare 1252
Nicotiana sylvestris 2962
Triticum aestivum 4649
embryogenesis
Arabidopsis thaliana 5813
Glycine max 4546
Helianthus annuus 5834
Nicotiana tabacum 5834
plants 1925
Zea mays 4614

Gene expression *cont.*
embryology
Betula pendula 1280
Hordeum vulgare 6273
embryonic development, preimplantation period, blastocyst, mice, reviews 4045
embryos, polymerase chain reaction, techniques, mice 3658
emetine, *Phaseolus vulgaris* 873
endonucleases, rats 2925
endoplasmic reticulum, receptors, cattle 712
endoplasmic reticulum retention receptor, *Arabidopsis thaliana* 2952
endosperm
Oryza sativa 5814
Zea mays 1906, 2466, 5224, 5796
enhancement
recombinant DNA, butyric acid, analogues, cell lines, mammals 3507
vectors, promoters, Adenoviridae, cell lines 2770
enhancers
Arabidopsis thaliana 5196
simian virus 40, adipocytes, mice 831
enkephalins, DNA binding proteins, brain, transgenics, mice 4405
enzymes
Erwinia carotovora subsp. *carotovora* 117
Vitis vinifera 5126
epidermal growth factor, receptors, cell lines 3431
epoxide hydrolase
Arabidopsis thaliana 6279
liver, mice 5576
Solanum tuberosum 6313
Erwinia carotovora 1167
Erysiphe graminis 1179
Hordeum vulgare 1176, 3892, 4108, 6176
Erysiphe graminis f.sp. *hordei, Hordeum vulgare* 6250
ethylene
Allium cepa 5810
Arabidopsis thaliana 334, 725, 3024, 5528
Cicer arietinum 5630
Dianthus caryophyllus 285
Fragaria 3561
Hevea brasiliensis 6418
Nicotiana tabacum 1361
plants 4620
Vigna angularis 5655
Zea mays 4632
N-ethyl-*N*-nitrosourea, mutations, testes, transgenics, mice 5505
evolution
plants 3549, 6402
teosinte 3549
Zea mays 3549
extensin
Lycopersicon esculentum 3898
Nicotiana plumbaginifolia 2265
Zea mays 1897
eye lens, neurofilaments, promoters, transgenics, mice 3336
far red light, *Arabidopsis thaliana* 281
fatty acids, binding proteins, promoters, transgenics, mice 5758
fenthion, *Lycopersicon esculentum* 5532
ferric leghaemoglobin reductase, *Glycine max* 5112
ferritin
Escherichia coli, horses 4524
Glycine max 4091
Zea mays 313
fertility, *Brassica napus* 3776
α-fetoprotein, transgenics, mice 2820
fibroblast growth factors
antisense DNA, embryos, fowls 1301
receptors
epidermis, transgenics, mice 597
kidneys, rats 5154
mice 1300
rats 716
flavonoid 3′,5′-hydroxylase, *Petunia hybrida* 2944

Gene expression *cont.*
flavonoids
Antirrhinum majus 3035
Medicago truncatula 5804
Nicotiana tabacum 3035
Solanum melongena 2376
Vitis vinifera 5126
Zea mays 5800
flavonol synthase, *Petunia hybrida* 1808
flavonols, *Petunia hybrida* 6443
flooding, *Oryza sativa* 1294
floral binding protein, *Petunia hybrida* 2427
flowering 1344, 1354, 1367, 1379
Antirrhinum majus 3549
Arabidopsis thaliana 3486, 3549
genetics, flowering 1351
Nicotiana tabacum 6349
Oryza sativa 6349
Pisum sativum, genetics, flowering 1351
Triticum aestivum, genetics, flowering 1351
flowers
Antirrhinum 1881, 1907, 1909
Antirrhinum majus 2457, 4650
Arabidopsis thaliana 345, 1881, 1909, 1914, 5212
Aranda 1817
Dianthus caryophyllus 2486
Lycopersicon esculentum 4018, 4104, 5791
Nicotiana sylvestris 4618
Nicotiana tabacum 287, 3482, 4618
Nicotiana tomentosiformis 4618
Petunia 309, 1907
Petunia hybrida 1902-1903
Pisum sativum 1915
plants 1882, 5783, 5823
Solanum tuberosum 1802
Zea mays 1832
fluorescence, *Nicotiana tabacum* 6577
follistatin, mammals, reviews 4066
β-fructofuranosidase
Lycopersicon esculentum 4563
Daucus carota 329
Nicotiana tabacum 329
Solanum tuberosum 4643
fructose-bisphosphatase
Beta vulgaris 4615
cattle 1231
plants, reviews 4076
fructose-bisphosphate aldolase, *Acorus calamus* 1610
fruits
Lycopersicon esculentum 5239, 5646
reviews 5795
Persea americana 207
Prunus persica 5850
FSH
mammals, reviews 4052
pituitary, testosterone, transgenics, mice 2228
Fulvia fulva, Lycopersicon esculentum 1707
G proteins
Arabidopsis thaliana 2476, 2483
central nervous system, mice 5075
fowls 1853
Lycopersicon esculentum 4534
membrane transport, mice 5076
Pisum sativum 350, 4016, 5710
rabbits 5728
rats 245, 2321, 4596
receptors, tongue, rats 757
β-galactosidase, transgenics, fishes 564
gametocides, *Nicotiana tabacum* 6201
gastrin, neoplasms, liver, transgenics, mice 39
gefiltin, eyes, fishes 2896
gene transfer, antisense DNA, G proteins, mice 1131
genes
axial, mutations, cyclops, fishes 266
developmental stages, *Trypanosoma brucei* 78
DNA repair, mice 190
embryonic development, mice 2890
excision repair, transgenics, mice 2917

Gene expression *cont.*
genes *cont.*
homeo box
cell lines, mice 2402
DNA binding proteins, mice 3503, 5736
embryonic development, mice 823
embryos, fowls 699
heart, embryos, mice 254
mice 3514
muscles, cells, rats 2323
transgenics, mice 2981
Notch, embryos, mice 1307
recombination, mice 190
wingless, antisense RNA, gene transfer, mice 1125
genetic transformation, superoxide dismutase, *Nicotiana plumbaginifolia* 4616
genetic tumours
Nicotiana glauca 6267
Nicotiana langsdorffii 6267
genomes
imprinting
DNA methyltransferase, mice 1856
mammals, reviews 2406
geranylgeranyl transferase, rats 759
germination
Cicer arietinum 5630
plants 1925
Pseudotsuga menziesii 4652
Zea mays 5206
gibberellic acid
Avena sativa 4628
Lycopersicon esculentum 5809
Oryza sativa 6430
gibberellins
cereals 304
Hordeum vulgare 304, 2475, 6421
Oryza sativa 6447
gliadin, *Triticum aestivum* 541
glial fibrillary acidic protein, c-AMP, rats 5150
globins
fowls 5718
promoters, transgenics, mice 4972
transgenics
Drosophila 770
mice 43, 2224
Globodera solanacearum, Nicotiana tabacum 2265
globulins
Avena sativa 315
Nicotiana tabacum 315
Glomus mosseae, Allium cepa 168
Glomus versiforme, Medicago truncatula 5804
1,4-α-glucan branching enzyme
Solanum tuberosum 5852
Zea mays 6382
β-glucanase
Nicotiana tabacum 5534
Nicotiana tomentosiformis 5534
Hordeum vulgare 849, 1917, 3911
Lycopersicon esculentum 4984
Nicotiana plumbaginifolia 4073
Nicotiana sylvestris 2848
Nicotiana tabacum 3040, 4073, 5628
Sambucus nigra 5698
Solanum tuberosum 3467, 3904
glucocorticoids
receptors
chemical treatment, cell lines, mice 5182
heat shock, cell lines, mice 5182
glucokinase, mammals, reviews 4590
glucose
transporters
central nervous system, rats 5748
diabetes, transgenics, mice 41
glycolysis, muscles, transgenics, mice 5506
metabolism, glucose, transgenics, mice 5501
transgenics, mice 2231
glucose-dependent insulinotropic peptide, rats 3948
glucose-1-phosphate adenylyltransferase
Nicotiana tabacum 5668
Solanum tuberosum 5852

Gene expression *cont.*
glucose-1-phosphate adenylyltransferase *cont.*
Triticum aestivum 1238
Zea mays 3034, 4106, 5796
glucose-6-phosphate dehydrogenase, transgenics, mice 46
β-glucosidase, *Zea mays* 5203
β-glucuronidase
Nicotiana tabacum 5241
Arabidopsis thaliana 6561
Nicotiana 6578
Nicotiana tabacum 1119, 5770, 6314, 6561, 6577
Petunia hybrida 6152
Populus 6561
Rubus 6578
glufosinate
Daucus carota 6200
Medicago sativa 6200
Nicotiana tabacum 6200
Zea mays 1678
glutamate-ammonia ligase 333
Arabidopsis thaliana 6358
Glycine max 291, 3932
Hevea brasiliensis 6418
Medicago truncatula 1922
Nicotiana tabacum 3497
Zea mays 1352
glutamate-1-semialdehyde, *Glycine max* 866
glutamate 1-semialdehyde 2,1-aminomutase, *Arabidopsis thaliana* 4007
glutamate synthase
Hordeum vulgare 2347
Lycopersicon esculentum 4070
glutamate-tRNA ligase, *Cucumis sativus* 5828
glutamates, receptors, eyes, rats 686
glutamine tRNA reductase, *Arabidopsis thaliana* 4007
γ-glutamyltransferase, mice 5183
glutathione peroxidase, eyes, cattle 3439
glutathione reductase, *Pinus sylvestris* 3792
glutathione transferase, mice 2885
glutelins
Oryza 6438
Oryza sativa 353, 5814, 6444
glutenins, *Triticum aestivum* 295, 541, 4086
glyceraldehyde-3-phosphate dehydrogenase
Arabidopsis thaliana 3548, 6399
embryos, quails 1234
Nicotiana tabacum 6399
glycerol-3-phosphate acyltransferase, *Pisum sativum* 5205
glycine decarboxylase
Nicotiana tabacum 5845
Pisum sativum 5845
Glycine max 284, 6149
glycine-rich proteins
Brassica napus 5198
Medicago sativa 6099
Nicotiana tabacum 94
glycinin
Glycine max 2479
Nicotiana tabacum 2479
glycogen (starch) synthase, *Solanum tuberosum* 6170
glycoproteins
antigens, mice 5607
brain, rats 262
central nervous system, mice 781
microfibrils, embryos, mice 2389
Nicotiana tabacum 6422
T lymphocytes, transgenics, mice 3516
transcription factors, liver, rats 5744
glycosylation inhibiting factor, cell lines 3442
Glycyrrhiza glabra 284
GnRH
fishes, reviews 4030
mammals, reviews 4030
mammary glands
lactation, rats 5175
pregnancy, rats 5175

Gene expression *cont.*
GnRH *cont.*
receptors
cell lines 1782
ovaries, rats 5174
pituitary, rats 5174
granulocytes, colony stimulating factor, promoters, mice 5169
grapevine fanleaf nepovirus 1726
growth factors
liver cells, rats 5135
vascular epithelial, brain, rats 4583
growth regulators
Arabidopsis thaliana 2485, 4906, 5207
Glycine max 5242
Lycopersicon esculentum 5242
plants 3543
Triticum aestivum 2356
guanosine monophosphate, protein kinase, rats 5615
gynoecium
Hordeum vulgare 5632
plants 1888
haemoglobin
Hordeum vulgare 5697
promoters, transgenics, pigs 3337
heat, *Lycopersicon peruvianum* 3269
heat resistance, *Lolium perenne* 6100
heat shock
Cucurbita pepo 2176
Triticum aestivum 541, 543
Vicia faba 5664
heat shock proteins 6098
Arabidopsis thaliana 4904, 6558, 6717
Catharanthus roseus 1282, 6016
Chenopodium rubrum 5788
Digitalis lanata 6016
Helianthus annuus 2173, 6258
Hordeum vulgare 1614
Lolium perenne 6100
Lycopersicon esculentum 6016
mice 2320
Nicotiana plumbaginifolia 5803
Oryza sativa 545, 5702
Peganum harmala 6016
Petroselinum crispum 6016
Picea 6102
Pinus 6102
Pisum sativum 6016
plants, reviews 4905
promoters, DNA binding proteins, rats 3000
Secale cereale 6425
Spinacia oleracea 870, 6350
triticale 6425
Triticum aestivum 1838, 6425, 6714
Zea mays 271, 316, 4543, 5640, 6097, 6105
heavy metals, *Arabidopsis thaliana* 5712
height, *Linum usitatissimum* 4611
helianthinin
Helianthus annuus 5834
Nicotiana tabacum 5834
hepatocyte growth factor, receptors, embryos, mice 4592
herbicide resistance
Arabidopsis thaliana 3498
Daucus carota 6200
Medicago sativa 6200
Nicotiana tabacum 6200
Heterodera schachtii
Arabidopsis thaliana 1889
Nicotiana tabacum 1889
heteronuclear ribonucleoprotein complex, mice 666
histamine
receptors
guineapigs 5048
rats 181, 5048
histidine decarboxylase, *Lycopersicon esculentum* 1279
histones
Antirrhinum majus 5204
Lycopersicon esculentum 5199
Oryza sativa 1368
Pisum sativum 3573
Triticum aestivum 1362, 1368, 5228, 6714
Zea mays 276-277

Gene expression *cont.*
homeo box
Arabidopsis thaliana 281, 860
DNA hybridization, embryos, fowls 5735
embryos
mice 246
segmentation, brain, mice, reviews 2423
enhancers, brain, transgenics, mice 2810
Oryza sativa 860
spine, embryos, fowls 2990
steroid hydroxylases, regulation, embryos, mice 2398
transgenics, mice 584
homeotic genes 1344
Antirrhinum 1909
Arabidopsis thaliana 345, 1909, 4631
Glycine max 4546
Lycopersicon esculentum 4018, 4104
Nicotiana tabacum 287, 340, 3482
Petunia 309
Petunia hybrida 2427
plants 5783, 5823
Zea mays 340, 1832
hordein, *Hordeum vulgare* 319
hordothionins, *Nicotiana tabacum* 3361
hormonal control, reviews 785
hormones, red pigment concentrating, crabs 4512
human immunodeficiency virus, transgenics, brain, pathology, mice 1695
hydrogen peroxide, *Nicotiana tabacum* 3016
hydrogen sulfide, *Nicotiana tabacum* 2179
hydroxymethylbilane synthase, *Pisum sativum* 1931
hydroxymethylglutaryl-CoA reductase
Camptotheca acuminata 1878
Nicotiana tabacum 1878
Oryza sativa 6295
Parthenium argentatum 1342
plants 1332
Solanum tuberosum 6364
hydroxyproline-rich proteins 5801
Zea mays 1897, 5801
hydroxypyruvate reductase, *Cucumis sativus* 2429
3β-hydroxysteroid dehydrogenase, mice 3940
20α-hydroxysteroid dehydrogenase, rabbits 677
3β-hydroxysteroid dehydrogenase, rats 5609
hyoscyamine (6*S*)-dioxygenase
Atropa belladonna 6276
Hyoscyamus niger 6276
Nicotiana tabacum 6276
hypoxia
Petunia hybrida, Zea mays 1617
plants, reviews 4903
Zea mays 5121, 6351
IAA, *Pisum sativum* 3542
imidazoleglycerol-phosphate dehydratase, *Arabidopsis thaliana* 6317
immunoglobulins
binding proteins, mice 684
introns, splicing, mice 3508
somatic mutations
mice 4064
transgenics, mice 588
transgenics, mice, reviews 30, 3872
immunological techniques
Arabidopsis thaliana 6356
Pisum sativum 6441
plants 1333
in vitro culture, *Nicotiana glauca* 6254
inactivation, DNA hybridization, radionuclides, techniques 3653
induction
major histocompatibility complex, tumour necrosis factor, mice 796
retroviral vectors, steroid hormones, cell lines, mice 5470
inflammation, interleukins, liver, rats 5184
inflorescences, *Zea mays* 1928
inhibin, mammals, reviews 4066

Gene expression *cont.*
inhibition
prolactin
DNA binding proteins, rats 4035
steroid hormones, receptors, cattle 4032
inhibitors, transcription factors, nucleotide sequences, cell lines, pigs 803
initiation factors, rats 840
injuries
Arabidopsis thaliana 5216
Bryonia cretica 290
Helianthus annuus 4637
Lycopersicon esculentum 326
Petunia hybrida 3577
Populus deltoides 1251
Populus trichocarpa 1251
Solanum tuberosum 6268
inositol trisphosphate, receptors, rats 644
insects
Fragaria ananassa 2244
Malus pumila 2244
insulin
genomes, imprinting, embryos, mice 6341
receptors, rats 5586
insulin-like growth factor
binding proteins, mammary glands, cell lines, cattle 5015
promoters, DNA binding proteins, cell lines 2996
rats, reviews 5755
interferon
preimplantation, trophoblast, promoters, DNA binding proteins, sheep 5160
receptors, mice 4040
interleukins
bones, transgenics, mice 2229
macrophages 3510
pigs 5585
promoters, targeted mutagenesis, mice 5138
rats 3510
receptors
cell lines 2324
mice 5247
transfection, Adenoviridae, liposomes, cell lines, rats 3845
internodes, *Avena sativa* 4628
interspecific hybridization
Nicotiana glauca 5623
Nicotiana langsdorffii 5623
introns
Pisum sativum 5830
Zea mays 4624
involucrin
epidermis, transgenics, mice 1132
hair follicles, transgenics, mice 1132
promoters
hair, transgenics, mice 3325
skin, transgenics, mice 3325
ion exchange
proteins
rabbits 834
rats 837, 5066
ion transport, *Arabidopsis thaliana* 2452
ions, channels, cyclic nucleotides, rabbits 1204
isocitrate dehydrogenase, *Eleusine* 2484
isocitrate lyase
Brassica napus 4655
Cucumis sativus 5798
isoflavone reductase, plants 1332
isopentenyl transferase
Nicotiana plumbaginifolia 5803
Nicotiana tabacum 287
jasmonic acid
Glycine max 5230
plants, reviews 4645
kaempferol, *Petunia hybrida* 3577
kallikrein, binding proteins, *Escherichia coli,* rats 801
kanamycin, *Petunia hybrida* 4619
keratin
promoters
rabbits 5194
transgenics, mice 2386
reporter genes, embryos, transgenics, mice 4414

Gene expression *cont.*
kidneys
insulin-like growth factor, receptors, embryogenesis, mice 3539
membrane alanyl aminopeptidase, rabbits 5619
kinetin, *Hordeum vulgare* 5821
β-lactoglobulin, promoters, hormonal control, mammary glands, mice 4963
lactose, *Lactococcus lactis* 1299
laminins, receptors, mice 5570
lamins, nuclei, fowls 827
late embryogenesis abundant proteins
Glycine max 6390
Nicotiana tabacum 6390
Vigna radiata 6440
leaves
Hordeum vulgare 273, 5773
Lycopersicon esculentum 2361
Malus pumila 1382
Nicotiana tabacum 340, 2361
Solanum tuberosum 2361
Zea mays 340
lectins
Clivia miniata 5101
disease resistance, plants, reviews 1373
Hordeum vulgare 6374
pest resistance, plants, reviews 1373
Pisum sativum 314, 322
leghaemoglobin
Glycine max 291, 330, 339
Lotus corniculatus 330, 339, 1383, 4651, 5820
Psophocarpus tetragonolobus 4096
legumin
Nicotiana tabacum 315
Picea engelmannii 4080
Picea glauca 4080
Vicia faba 315
Leptosphaeria nodorum, Hordeum vulgare 3911
leucine zipper, *Arabidopsis thaliana* 281
leucyl aminopeptidase, *Arabidopsis thaliana* 6356
LH, mammals, reviews 4052
light 3556
Amaranthus hypochondriacus 1381
Arabidopsis thaliana 308, 311, 847, 1880, 1908, 3548, 5768, 5831, 5855, 6375, 6399
Avena sativa 344
Chenopodium rubrum 5788
Commelina communis 308
Cucumis sativus 2429
Glycine max 291, 4116
Hordeum vulgare 3021, 5236, 5821, 6365, 6397
Lycopersicon esculentum 846, 4070
Nicotiana tabacum 1908, 4116
Oryza sativa 312, 3557, 4075
Petroselinum crispum 4082, 5805
Pharbitis nil 1932
Phaseolus vulgaris 4612, 5235
Picea abies 4606
Pisum sativum 308, 350
plants 311, 3543
Solanum melongena 2376
Solanum tuberosum 1365
Spinacia oleracea 4623
Triticum aestivum 1245, 6433
Vicia faba 308, 5664
Vitis vinifera 5126
Zea mays 4113
lignin, *Nicotiana tabacum* 4635
Lilium longiflorum 6398
lipid transfer proteins
Arabidopsis thaliana 6431
Hordeum vulgare 1822
Vigna unguiculata 6281
lipoprotein lipase
lipid metabolism, transgenics, mice 5509
mutations, cell lines 1319
transcription factors, rats 1319
lipoproteins, metabolism, transgenics, mice, reviews 5137
lipoxygenase
Arabidopsis thaliana 3468, 6409
Glycine max 5230

Gene expression *cont.*
lipoxygenase *cont.*
Phaseolus vulgaris 2442
Pisum sativum 4069
Solanum tuberosum 6268
liver, gene transfer, retroviral vectors, fowls 581
low density lipoprotein, receptors, mice 1772
luciferase
arteries, gene therapy, dogs 11
transgenics, fishes 564, 2764
Zea mays 5824
lysine 1891
Nicotiana tabacum 1920
lysozyme 1167
Nicotiana tabacum 4021, 4630
Solanum tuberosum 2269
trachea, cattle 2339
macrophages
colony stimulating factor
promoters, mice 5169
receptors, promoters, cell lines 2425
major histocompatibility complex
cattle 4065
lungs, transgenics, mice 33
mice 1869
promoters, interferon, mice 5189
rats 3957
T lymphocytes, receptors, diabetes, transgenics, mice 42
thyroid gland, abnormalities, transgenics, mice 1692
transgenics, mice 2814
malate dehydrogenase
Cucumis sativus 5798
Oryza sativa 5642
malate dehydrogenase ($NADP^+$), *Mesembryanthemum crystallinum* 4533
malate synthase
Brassica napus 4655
Cucumis sativus 5798
male sterility
Brassica napus 4335
Nicotiana tabacum 1890
mammary gland factor, prolactin, mammary glands, rats 5184
mammary glands, gene transfer, lysozyme, mice 3335
mannopine synthase, *Nicotiana tabacum* 294, 869
α-mannosidase
mice 5047, 5056
rabbits 5056
rats 5056
marker genes, promoters, adipocytes, rats 4759
matrix associated regions, *Nicotiana tabacum* 4630
measurement, polymerase chain reaction, techniques 5936
mechanical damage, *Bryonia cretica* 1801
meiosis
Helianthus annuus 5844
Triticum aestivum 4542
Meloidogyne, Nicotiana tabacum 2849
Meloidogyne incognita
Arabidopsis thaliana 1889
Lycopersicon esculentum 3898, 6248
Nicotiana tabacum 1889
Meloidogyne javanica, Nicotiana tabacum 2265
membrane proteins 3556
Antirrhinum majus 727
Arabidopsis thaliana 1288
Lycopersicon esculentum 4539
Plasmodium berghei 77
Zea mays 1372
meprin, mice 5575
meprin-A, strain differences, mice 364
mercuric chloride
Phaseolus vulgaris 4353
Zea mays 4353
mesenchyme fork head, embryos, mice 1860
metalloproteinases
embryos, mice 6231
mice 5144

Gene expression *cont.*
metalloproteinases *cont.*
proto-oncogenes, transgenics, mice 5144
metallothionein
Arabidopsis thaliana 5712
Nicotiana tabacum 6384
methyl jasmonate
Hordeum vulgare 332
Nicotiana tabacum 1900
methylated-DNA-protein-cysteine *S*-methyltransferase, carcinoma, liver, carcinogens, exposure, transgenics, mice 40
methylmalonyl-CoA mutase, mice 5083
methyltransferases, *Zea mays* 851
microphthalmia, insertional mutagenesis, transcription factors, transgenics, mice 34
microtubules, proteins, mice 835
migration inhibitory factor, macrophages, arthritis, rats 4581
milk proteins
cattle, reviews 1222
laboratory mammals, reviews 4038
livestock, reviews 4038
promoters, transgenics, rats 5504
transgenics, reviews 1222
mitochondria
Nicotiana sylvestris 4618
Nicotiana tabacum 4618
Nicotiana tomentosiformis 4618
proteins, targeted mutagenesis, adipocytes, cell lines, mice 1855
Triticum aestivum 1893
mitogen-activated protein kinase, *Nicotiana tabacum* 1289
molecular biology, books 3831
monooxygenases
liver, rats 4044
yeasts 4044
monosaccharide-H^+ symporter, *Arabidopsis thaliana* 6428
morphogenesis, embryonic development, central nervous system, mice 5725
mouse mammary tumour virus, transgenics, mice 5500
Mullerian inhibiting substance, mammals, reviews 3938
multiple genes, plants, reviews 6370
muscles
actin, promoters, gene transfer, mice 3322
desmin, transgenics, mice 2808
glycoproteins, dystrophin, rabbits 2412
neurofilaments, promoters, transgenics, mice 3336
mycorrhizas, *Allium cepa* 168
myelin basic protein
embryos, mice 3522
transcription factors, central nervous system, mice 5731
myocardium, actin, promoters, gene transfer, mice 3322
myogenin
promoters
muscles, denervation, transgenics, mice 5139
transgenics, embryos, mice 2988
transgenics, mice 598
myosins
DNA binding proteins
mice 1865
muscles, rats 5621
enhancers
binding proteins, transgenics, mice 579
mice 2999
promoters, transcription factors, heart, fowls 5767
rats 5603
NADH dehydrogenase (ubiquinone), *Triticum aestivum* 1893
NADPH:isoflavone oxidoreductase, *Cicer arietinum* 4022
napin
Brassica napus 1921, 2445, 6383
Nicotiana tabacum 1921
naringenin-chalcone synthase
Antirrhinum 1907

Gene expression *cont.*
naringenin-chalcone synthase *cont.*
Antirrhinum majus 2457
Dendranthema grandiflora 2243
Eustoma grandiflorum 3547
Glycine max 6434
Medicago sativa 5017
Petroselinum crispum 4082, 6410
Petunia 1907
Petunia hybrida 3577
Phaseolus vulgaris 1887
plants 1332
Rhizobium meliloti, Medicago sativa 293
Sinapis alba 4642
naringenin 3-dioxygenase, *Petunia hybrida* 3577
neomycin phosphotransferase
Nicotiana tabacum 6314
Petunia hybrida 6152
neural cell adhesion molecule, promoters, cell lines, rats 2983
neurexins, RNA, alternative splicing, rats 267
neurofibromatosis, mice 5044
neurofilaments
proteins
central nervous system, transgenics, mice 5492
nervous system diseases, transgenics, mice 1690, 2242
neurotransmitters, transporters, cattle 5157, 6233
Nicotiana tabacum 3558, 4074, 4602
nicotine, *Nicotiana tabacum* 5649
nitrate reductase
Arabidopsis thaliana 1369
Petunia hybrida 4562
Pinus sylvestris 6294
nitrates, *Arabidopsis thaliana* 3498
nitrite reductase
Hordeum vulgare 5236
Nicotiana tabacum 2463, 3576
Spinacia oleracea 331, 2463
nitrogen, *Hordeum vulgare* 319
nitrogen fixation
Azotobacter vinelandii 204
Bradyrhizobium japonicum 167
Lotus corniculatus 4651
Medicago sativa 3996
Rhizobium meliloti 171, 3996
nitrogen-responsive lipoxygenase, *Glycine max* 1339
nodulation 333
Alnus glutinosa 320
Glycine max 866, 3932, 4091
Medicago sativa 3996, 5017, 6357
Pisum sativum 629, 730, 3422
Rhizobium 629
Rhizobium meliloti 3996, 4498
Vicia faba 327
Vicia sativa 730
nodulins
Glycine max 1910
Medicago sativa 1315, 6393
Pisum sativum 630, 2362
Vicia faba 3484
nopaline, *Agrobacterium tumefaciens* 2380
nopaline synthase, *Nicotiana tabacum* 3559
norflurazon, *Nicotiana tabacum* 1729
nucleolus organizer
Allium cepa 5810
Triticum aestivum 2444
nucleoproteins, fowls 647
5′-nucleotidase, cell lines 707
nucleotide sequences, *Oryza sativa* 4545
nutrient transport
Arabidopsis thaliana 335
Spinacia oleracea 335
nutrients, *Arabidopsis thaliana* 3498
nutritive value
Lupinus 4976
Medicago sativa 4976
Pisum sativum 4976
Trifolium subterraneum 4976
oestrogen receptors
mutagenesis, mice 772
rats 826

Gene expression *cont.*
oestrogens
cell lines 2400
receptors, embryonic development, mice 1852
oleosins
Arabidopsis thaliana 5835
Brassica napus 2438, 3558
Hordeum vulgare 4067
oncogenes
coat, abnormalities, transgenics, mice 589
growth, cell lines, transgenics, mice 3420
mammary hyperplasia, transgenics, mice 6167
pancreas
fowls 6347
mice 6347
quails 6347
skin, abnormalities, transgenics, mice 589
splicing, rats 763
tissue repair, cell lines, transgenics, mice 3420
transformation, cell lines, transgenics, mice 3420
Zea mays 5206
oogenesis, mice, reviews 1854
opioid peptides
receptors
brain
guineapigs 5084
mice 1846
drugs, screening, cell lines 3460
mice 197
rats 806, 3511, 3525
opioids, receptors, rats 3441
ornithine carbamoyltransferase
Nicotiana tabacum 1170
Phaseolus vulgaris 2843
ornithine decarboxylase, transgenics, mice 35, 585
ornithine-oxo-acid transaminase, promoters, rats 700
Oryza sativa 301, 3851, 4115
oryzacystatin, *Oryza sativa* 4079
osmotin, *Nicotiana tabacum* 3568
osteocalcin, promoters, vitamin D, transgenics, mice 36
ovalbumin, promoters, transcription factors, embryos, mice 5176
ovaries
tyrosine kinase
receptors
binding proteins
mice 1311
mutations, mice 1306
ovules, *Arabidopsis thaliana* 4631
oxidative stress, *Zea mays* 3793
oxygen, *Rhizobium meliloti* 171
oxytocin, rats 2383
paired box, genitalia, mice 2392
palmitoyl-acyl carrier protein desaturase, *Coriandrum sativum* 4603
pancreas islets, regeneration, rats 5616
patatin, *Solanum tuberosum* 5208, 6359
pathogenesis-related proteins 1179
Arabidopsis thaliana 5522, 5526, 5528
Asparagus officinalis 5853
Beta vulgaris 5529
Brassica 1165
Glycine max 1169
Hordeum vulgare 3892, 6176, 6250
Lycopersicon esculentum 739, 4436
Nicotiana tabacum 288, 300, 604, 1160, 1361, 3016, 3361, 3364, 3568, 3891, 4431, 5534, 5836, 5853
Nicotiana tomentosiformis 5534
Oryza sativa 6295
Petroselinum crispum 1182, 5526
Phaseolus vulgaris 6175
plants 1172, 1332
Zea mays 6261
pathogens
Nicotiana tabacum, reviews 1184
plants 6194
reviews 1184

Gene expression *cont.*
pectinesterase
Lycopersicon esculentum 325, 1378, 5646, 6373
Petunia inflata 6293
peptides, transporter, rabbits 5038
Peronospora parasitica, Arabidopsis thaliana 5528
Peronospora tabacina, Nicotiana tabacum 1160, 2851
peroxidases
Amoracia rusticana 5812
Arabidopsis thaliana 3022
Armoracia rusticana 3028
Bryonia cretica 2446
DNA binding proteins, thyroid gland, rats 2980
Hordeum vulgare 3892, 3911, 4108
Lycopersicon esculentum 5626
Nicotiana tabacum 5812
peroxisomes, proliferators, receptors, mice 2344
Petunia 3020, 4602
phagocyte oxidase, mice 3953
pharmaceutical proteins, milk, transgenics, livestock, reviews 4968
β-phaseolin, *Phaseolus vulgaris* 5214
Phaseolus vulgaris 2467
phenylalanine ammonia-lyase
Arabidopsis thaliana 6183
Eustoma grandiflorum 3547
Glycine max 2264
Hordeum vulgare 3892
Nicotiana tabacum 6183
Petroselinum crispum 3904
phlobaphene, *Zea mays* 5800
phosphate
binding proteins, mitochondria, cattle 5035
transporters, rats 6344
phosphatidylcholine desaturase, *Arabidopsis thaliana* 3491
phosphatidylethanolamine *N*-methyltransferase, cell lines, rats 5572
phosphinothricin acetyltransferase
Arachis hypogaea 6199
Zea mays 1678
phosphoenolpyruvate carboxylase
Amaranthus hypochondriacus 1381
Escherichia coli 3855
plants 3855, 6402
phosphofructokinase, cattle 1231
phosphogluconate 2-dehydrogenase (decarboxylating), *Eleusine* 2484
phosphoprotein phosphatase
Medicago sativa 6301
Medicago varia 6301
spermatogenesis, rats 786
Zea mays 4113
phosphoproteins
insulin-stimulated, rats 5049
Zea mays 4614
phosphoric monoester hydrolases, *Pisum sativum* 4536
3-phosphoshikimate 1-carboxyvinyltransferase, *Lycopersicon esculentum* 5797
phosphotransferases, *Solanum tuberosum* 4643
phosphotyrosyl phosphatase, fowls 1225
photoinhibition, *Pinus sylvestris* 5811
photolyases, *Sinapis alba* 722
photoperiodism, *Pharbitis nil* 5227
photorespiration, *Pisum sativum* 5845
photosynthesis
Arabidopsis thaliana 5221
Cucurbita pepo 2176
Lycopersicon esculentum 4000
Nicotiana tabacum 1340, 6369
Oryza sativa 3557, 6363
Pinus sylvestris 5811
Pisum sativum 5845
plants 2426
Solanum tuberosum 6385
Sorghum bicolor 1360
Spinacia oleracea 4623
Zea mays 1360
photosystem I
Lycopersicon esculentum 5777
Nicotiana sylvestris 234
Nicotiana tabacum 1365

Gene expression *cont.*
photosystem I *cont.*
Solanum tuberosum 1365
photosystem II
Anemia phyllitidis 3567
Hordeum vulgare 6365, 6396-6397
Nicotiana tabacum 341
Triticum aestivum 6433
phytoalexins
Glycine max 2264
Nicotiana tabacum 3364
Petroselinum crispum 1182
phytochrome
Arabidopsis thaliana 1908, 3042, 4601, 6257
Avena sativa 344, 4072, 4101, 5120
Lycopersicon esculentum 5777
Nicotiana tabacum 1908, 6362
Oryza sativa 4101
Pisum sativum 350
plants, reviews 1336
phytochrome A, *Arabidopsis thaliana* 728
phytoene desaturase
Lycopersicon esculentum 6372
Nicotiana tabacum 1729
phytoene synthase, *Lycopersicon esculentum* 6372
Phytophthora infestans, Solanum tuberosum 3904
Phytophthora megasperma
Glycine max 1169, 1287
Nicotiana tabacum 94
Petroselinum crispum 1182
Phytophthora megasperma f.sp. *glycinea, Petroselinum crispum* 3904
Phytophthora nicotianae, Nicotiana tabacum 1160, 2851
Picea abies 3550
Pisum sativum 2214, 3545
heat shock proteins 2440
plant development 2162
Antirrhinum 1881, 1909
Arabidopsis thaliana 1881, 1909, 1914
Nicotiana tabacum 1890
Petunia hybrida 1903
plants 1888, 5783
Zea mays 1928
plant embryos
Betula pendula 1280
Glycine max 6390
Helianthus annuus 6258
Hordeum vulgare 6273
Nicotiana tabacum 6390
Oryza sativa 5106
Triticum aestivum 2356
Zea mays 279, 5206, 5240, 6416
plant hairs, *Arabidopsis thaliana* 2455, 6303
plant water relations, *Arabidopsis thaliana* 6275
plants 1322, 1456, 3032, 5843
reviews 1337, 1358, 3572
plasma membranes, *Arabidopsis thaliana* 6275
plasmids, *Petroselinum crispum* 22
plasminogen activator
antisense DNA, oocytes, mice, maternal effects 4413
promoters, pigs 2907
plastids, plants 3030
plastocyanins
Arabidopsis thaliana 1929
Spinacia oleracea 4095
pollen 2162
Arabidopsis thaliana 3038, 4610
Brassica napus 3493, 4655
Lilium longiflorum 20
Lycopersicon esculentum 20, 4610
Nicotiana alata 2679
Nicotiana rustica 20
Nicotiana tabacum 20, 3038, 4094, 4610, 5699
Paeonia lactiflora 20
Petunia inflata 5667, 6293
Sinapis alba 5846
Tradescantia paludosa 6321
Zea mays 271, 2431, 4094
pollen germination
Nicotiana tabacum 6422

Gene expression *cont.*
pollen germination *cont.*
Zea mays 3044
pollination
Nicotiana tabacum 2482
Petunia hybrida 3577
polyadenylate-binding proteins, *Pisum sativum* 6441
polyamines, *Nicotiana tabacum* 4636
polygalacturonase
Brassica napus 3493
Lycopersicon esculentum 325, 861, 1328, 1378, 1892
reviews 5795
Malus pumila 5856
Nicotiana tabacum 5699
Persea americana 1923
Prunus persica 5850, 6284
Zea mays 1884
polygalacturonase-inhibiting protein, *Phaseolus vulgaris* 6175
polypeptide *N*-acetylgalactosaminyltransferase
Baculoviridae, insects, cells 5581
cattle 5578
polypeptides, blood vessels, smooth muscle, rabbits 248
polyubiquitin, *Zea mays* 5662
position effect, *Nicotiana tabacum* 4630, 5793
potassium
channels
brain
mice 3612
rats 2905
heart, rats 2905, 3430
mice 2883
rabbits 6234
smooth muscle, colon, dogs 5045
potato X potexvirus
Nicotiana benthamiana 2279
Nicotiana tabacum 2279
Solanum tuberosum 2279, 3889
potato Y potyvirus
Nicotiana benthamiana 2279
Nicotiana tabacum 2279
Solanum tuberosum 2279
prion protein, transgenics, mice 2832
prions, scrapie, transgenics, mice 593
prodynorphin, promoters, rats 4576
profilins, *Zea mays* 743
progesterone
receptors
embryonic development, mice 1852
promoters
c-AMP, rats 3960
oestrogens, rats 3960
prolactin
receptors, cattle 5034
transcription factors, RNA, alternative splicing, rats 4575
prolamins
Hordeum vulgare 319
Nicotiana tabacum 289
Oryza sativa 349, 5814
proline, plants 542
proline-rich proteins
Brassica napus 3472
DNA binding proteins, salivary glands, rats 188
Nicotiana tabacum 2482
Phaseolus vulgaris 3580
promoters
Arabidopsis thaliana 2461
Daucus carota 1374
Herpesviridae, vectors, cell lines, mammals 5013
Oryza sativa 1330
Saccharum officinarum 1374
simian virus 40, adipocytes, mice 831
proprotein convertases, rats 189
prostacyclin, receptors, mice 5067
prostaglandins, receptors, kidneys, rats 4594
protein-glutamine γ-glutamyltransferase, promoters, guineapigs 4522
protein kinase
Arabidopsis thaliana 1288, 2369, 2450, 2929
binding proteins, brain, rats 769

Gene expression *cont.*
protein kinase *cont.*
haem, rats 5063
inhibitors, mice 821
Oryza sativa 5113
rats 1765
protein synthesis
elongation factors
cell lines 798
rats 798
protein transport, plants 3041
protein-tyrosine--hosphatase, rats 5601
protein-tyrosine kinase
brain, mice 5030
intestines, embryos, rats 4582
T lymphocytes, mice 5030
protein-tyrosine-phosphatase
brain
embryos
mice 6239
rats 6239
proteinase inhibitors
Lycopersicon esculentum 326, 2375
Nicotiana tabacum 4005, 5641
Solanum tuberosum 1837
Zea mays 6261
proteinases
Arabidopsis thaliana 2374
Carica papaya 1827
Cynara cardunculus 5100
proteins
cerebellum
mice 5078
rats 5078
Lupinus 4976
Medicago sativa 4976
Pisum sativum 4976
recombination, fowls 641
sex chromosomes, meiosis, spermatogenesis, mice 3506
synaptic vesicle membrane, embryos, fowls 2404
targeted mutagenesis, reviews 612
transcription, induction, mice 5090
Trifolium subterraneum 4976
vesicular gland, mice 5087
proto-oncogenes
brain, cells, death, transgenics, mice 45
cell lines, mice 2425
embryos, mice 4592
endogenous viruses, integration, neoplasms, mice 6474
fowls 1226
mammary glands, mice 766
skeletal development, abnormalities, transgenics, mice 599
transcription factors
cell lines, mice 3534
testes, mice 3534
transgenics, mutations, kidney diseases, mice 6166
protoplasts
Glycine max 852
Nicotiana tabacum 318
Petunia hybrida 1350
Zea mays 6141
pseudogenes, *Arabidopsis thaliana* 724
Pseudomonas solanacearum
Arabidopsis thaliana 6183
Nicotiana tabacum 6183
Pseudomonas syringae, Nicotiana tabacum 1170
Pseudomonas syringae pv. *phaseolicola, Phaseolus vulgaris* 2843
Pseudomonas syringae pv. *tomato, Lycopersicon esculentum* 5531-5532
puroindolines, *Triticum aestivum* 5104
putrescine *N*-methyltransferase, *Nicotiana tabacum* 5649
Pyrenopeziza brassicae 87
pyrophosphatases, *Nicotiana tabacum* 6369
pyrophosphate-fructose-6-phosphate 1-phosphotransferase, *Solanum tuberosum* 5209
pyrroline-5-carboxylate reductase, *Arabidopsis thaliana* 2723
pyruvate decarboxylase, *Acorus calamus* 1610
pyruvate kinase, *Glycine max* 2954

Gene expression *cont.*
pyruvate,orthophosphate dikinase
Amaranthus hypochondriacus 1381
Oryza sativa 5829
Zea mays 5829
quantitative analysis, genes, multiple, polymerase chain reaction, techniques 3652
receptor-like protein kinases, *Petunia inflata* 5667
receptors
glucocorticoids, synergism, rats 5161
thyroid hormones, synergism, rats 5161
recombinases, *Nicotiana tabacum* 4093
redox reactions, *Nicotiana tabacum* 6417
regeneration
1,4-α-glucan branching enzyme, *Manihot esculenta* 6423
starch synthase, *Manihot esculenta* 6423
regenerative ability, *Zea mays* 521
regulation
amylin, promoters, rats 3540
dietary fat, mice 247
heart, rats 3306
metallothionein, transgenics, mice 5751
myocardium, rats 3306
probasin, androgens, rats 691
promoters, prokaryotes, eukaryotes, reviews 3844
transcription, reviews 874
translation, books 6755
relaxin
ovaries, sheep 1224
placenta, sheep 1224
uterus, sheep 1224
renin
blood pressure, transgenics, mice 583
promoters
kidneys, cell lines 3338
transgenics, mice 3338
repetitive DNA
brome mosaic bromovirus 134
Cucumis sativus 352
Nicotiana tabacum 3031
proteins, testes, mice 4031
reporter genes
cell lines, hamsters 1103
dogs 2758
gene transfer
Adenoviridae, liver cells, mice 2766
plasmids, muscles, mice 2767
hydroxymethylglutaryl-CoA reductase, promoters, transgenics, mice 3527
injection
granulosa cells, mice 762
oocytes, mice 762
Lycopersicon esculentum 2822
Nicotiana tabacum 6314
probasin, promoters, prostate, transgenics, mice 4407
spleen necrosis virus, long terminal repeats, transgenics, mice 6131
transgenics, mice 3332
repression, tyrosine 3-monooxygenase, promoters, transcription factors, rats 4034
reproduction
Coprinus bilanatus 2434
Coprinus cinereus 2434
mammals, books 2739
restriction endonucleases, *Nicotiana tabacum* 5770
resveratrol, *Nicotiana tabacum* 3364
retina, proteins, cattle 5579
retinoic acid
DNA binding proteins, enhancers, mice 3530
receptors, targeted mutagenesis, cell lines 2287
retinoids, receptors, mice 1309
retroviral vectors
cell lines
hamsters 3307
mice 3307
Retroviridae, vectors, reporter genes, embryos, fowls 5471

Gene expression *cont.*
Rhizobium
fodder legumes 4107
grain legumes 4107
Medicago sativa 4107
Pisum sativum 630, 3422
Vigna unguiculata 6281
Rhizobium meliloti, Medicago sativa 3933, 6357
Rhizoctonia solani
Brassica napus 91
Nicotiana tabacum 1168, 2851, 3893
ribonuclease inhibitors, *Brassica napus* 4335
ribonucleases
Arabidopsis thaliana 2963
Brassica napus 4335
Nicotiana alata 2679, 3774
Nicotiana langsdorffii 3774
ribonucleoside-diphosphate reductase, DNA binding proteins, mice 2318
ribosomal DNA
Allium cepa 5810
Arabidopsis thaliana 283
Cucumis sativus 352
Hordeum vulgare 3029, 5821
Raphanus sativus 5790
Secale cereale 3029
Triticum aestivum 2444, 3029
ribosome inactivating proteins, *Hordeum vulgare* 3906
ribosomes 746
Arabidopsis thaliana 724, 6403
Hordeum vulgare 5773
mice 3009
proteins
promoters
fowls 3968
mice 771
Secale cereale 5684
Spinacia oleracea 2365, 2478
ribulose-bisphosphate carboxylase
Amaranthus hypochondriacus 1381
Anemia phyllitidis 3567
Arabidopsis thaliana 1370
Beta vulgaris 4615
Cucurbita pepo 2176
Hordeum vulgare 4110, 6397
Mesembryanthemum crystallinum 2719
Nicotiana tabacum 1340, 4092, 6391
reviews 6427
Oryza sativa 312, 858, 4075
Petunia hybrida 4071
Phaseolus vulgaris 5235
Picea abies 4606
Pisum sativum 3553, 5830, 6405
ribulose-bisphosphate carboxylase activase 3565
Malus pumila 1382
Nicotiana tabacum 1357, 5213
Spinacia oleracea 3565
Rieske FeS protein
Nicotiana sylvestris 4618
Nicotiana tabacum 4618
Nicotiana tomentosiformis 4618
Solanum tuberosum 5634
ripening
Fragaria ananassa 6406
Lycopersicon esculentum 855, 861, 1279, 1328, 1892, 2471, 2477, 3268, 4539, 4563, 6372
reviews 5795
Malus pumila 5856
Persea americana 207, 1923
Prunus persica 2350, 5850, 6284
RNA
alternative splicing
Caenorhabditis elegans 98
feline immunodeficiency virus 1158
Avena sativa 4072
barley yellow dwarf luteovirus 2258
binding proteins, genes, agouti, mice 805
Nicotiana tabacum 3031
plants 1338
RNA binding proteins
Arabidopsis thaliana 274, 1260, 4604
Nicotiana sylvestris 1262
Pisum sativum 2454

Gene expression *cont.*
RNA binding proteins *cont.*
Sinapis alba 5107
RNA helicase, *Nicotiana sylvestris* 3480
RNA polymerase 5784
Sinapis alba 5231
RNA probes, techniques 800
roots
Lycopersicon esculentum 4569
Manihot esculenta 3011
Pisum sativum 3573
Rous sarcoma virus, susceptibility, cell lines 2317
Saccharum 1885
salicylic acid
Arabidopsis thaliana 3905
Nicotiana tabacum 604, 1900, 3016, 3905
plants 6194
salicylic acid binding protein, *Nicotiana tabacum* 3016, 3903
salinity
Arabidopsis thaliana 2722-2723
Atriplex nummularia 1912, 2720
Elymus elongatus 1886
Lycopersicon esculentum 5626, 5635
Mesembryanthemum crystallinum 2719
Nicotiana tabacum 2720
Triticum aestivum 1886
saporin, *Saponaria officinalis* 3012
satellite DNA, cucumber mosaic cucumovirus 1727
satellite RNA
cucumber mosaic cucumovirus
Nicotiana bigelovii 120
Nicotiana clevelandii 120
seeds
Arabidopsis thaliana 4653, 5835
Avena fatua 4078
Brassica napus 2438
Cicer arietinum 2433
Glycine max 3552
Helianthus annuus 5834
lectins, *Nicotiana tabacum* 322
Nicotiana tabacum 3552, 5834
Oryza sativa 5113
Pisum sativum 322
Pseudotsuga menziesii 4652
Triticum aestivum 543
segment polarity, embryonic development, fishes 5739
selectins
binding proteins, mammary glands, mice 5172
monoclonal antibodies, cell lines 5014
self incompatibility
Brassica 2163
Brassica alboglabra 2678
Brassica napus 533, 2682
Nicotiana alata 2679, 3774
Nicotiana langsdorffii 3774
Nicotiana tabacum 533
Solanum chacoense 2678
senescence
Arabidopsis thaliana 2963, 6358
Brassica napus 6251
Dianthus caryophyllus 2486
Hordeum vulgare 273
Nicotiana tabacum 869
Raphanus sativus 3027
serine proteinase, inhibitors, development, fowls 241
serotonin
receptors
brain, rats 2407, 3977
mice 2909
rats 1870, 5757
sex, plants 1882
sex determination
Caenorhabditis elegans 3371
embryos, mammals, reviews 2405
sexual reproduction, plants 1882, 5783, 5823
shedding, *Brassica napus* 3472-3473
shikimate kinase, *Lycopersicon esculentum* 5797
sialoproteins, bones, mice 4696
sialyltransferases
mice 5057

Gene expression *cont.*
sialyltransferases *cont.*
rats 681
small nuclear RNA
Arabidopsis thaliana 4089
Nicotiana plumbaginifolia 3017
sodium
channels, rats 4692
transporters, rats 258
somatic embryogenesis, *Daucus carota* 2661
somatolactin, promoters, fishes 4053
somatostatin
DNA binding proteins
intestines, rats 2997
pancreas, rats 2997
somatotropin
body weight, transgenics, mice 3780
gene transfer
mammary glands, mice 1137
microcapsules, mice 2759
hormones, effects, transgenics, mice 3780
metallothionein, promoters, transgenics, mice 3780
pituitary
cells, effects, transgenics, mice 3780
transcription factors, rats 3536
promoters
rats 4039
transcription factors, rats 5164
receptors
mutations, cell lines 1304
transfection, vaccinia virus, cell lines 5016
recombinant, restriction fragment length polymorphism, milk yield, cattle 2509
silencers, rats 4039
thyroid hormones, receptors, rats 3536
transcription factors, transgenics, mice 2230
transfection, cell lines 628
transgenics, rats 5504
source sink relations, *Beta vulgaris* 4615
spermatogenesis
Caenorhabditis elegans 132
protein kinase, testes, mice 5192
spermidine synthase, transgenics, mice 35
spermine, *Cicer arietinum* 2433
Spodoptera littoralis, Lycopersicon esculentum 5531
spores, *Onoclea sensibilis* 328
starch
Nicotiana tabacum 5668
Solanum tuberosum 6170, 6385
starch synthase
Oryza sativa 307, 1239
Solanum tuberosum 2372, 3560, 6371
stearoyl-CoA desaturase
Arabidopsis thaliana 1293
Brassica napus 6272
Glycine max 6272
Nicotiana tabacum 6280
Vigna radiata 6440
stems, plants 5783, 5823
sterility
gynoecium, *Nicotiana tabacum* 6699
ribonucleases, *Nicotiana tabacum* 6699
steroid 21-monooxygenase, promoters, mice 5752
sterol esterase, rabbits 649
stilbenes, *Vitis vinifera* 5126
stomata, *Nicotiana tabacum* 5668
stress
Arabidopsis thaliana 2722, 3024, 4358, 5704
cereals 304
Hordeum vulgare 304, 6101
Lemna gibba 6437
Nicotiana tabacum 4358
Oryza sativa 5702, 6716
Phaseolus vulgaris 4353
plants 3543, 4620
books 1640
reviews 1615, 5779, 5789, 6103
proteins, macrophages, mice 5734
Solanum tuberosum 5446

Gene expression *cont.*
stress *cont.*
Zea mays 279, 2431, 4353
sucrose, *Glycine max* 5202
sucrose-phosphate synthase, *Spinacia oleracea* 1812
sucrose synthase
Arabidopsis thaliana 317
Glycine max 291
Hordeum vulgare 1269
Lycopersicon esculentum 5239
Nicotiana tabacum 317
Solanum tuberosum 4643, 5852
Vicia faba 1896, 3484
Zea mays 6366, 6429
sucrose transporter, *Solanum tuberosum* 2371
sugars
Arabidopsis thaliana 335
Spinacia oleracea 335
sulfate, transporters, rats 258
sulfate adenylyltransferase
Arabidopsis thaliana 6285
Solanum tuberosum 5657
sulfonylurea herbicides, *Nicotiana tabacum* 6201
superoxide dismutase
Hevea brasiliensis 1272
mammary glands, transgenics, mice 4408
Pinus sylvestris 3792
Pisum sativum 3789, 4098
plants, reviews 5779, 5789
transgenics, mice 2812
Zea mays 3043, 5713
surfactants
lungs
receptors
mice 5611
rabbits 5611
transgenics, mice 2421
symbiosis
fodder legumes 4107
grain legumes 4107
Medicago sativa 4107
synapsins, photoreceptors, transgenics, mice 6160
synaptonemal complex, testes, rats 3438
syntaxins, nervous system, rats 5567
systemic acquired resistance
Arabidopsis thaliana 3024
Nicotiana tabacum 3016
T lymphocytes
receptors
cattle 2343
enhancers, mice 4587
rats 3984
selection, major histocompatibility complex, transgenics, mice 1128
tannins, *Lotus corniculatus* 5200
targeted mutagenesis, embryonic development, tail, mice 3407
techniques 315
Arabidopsis thaliana 3857, 4068, 5207, 6561
books 2563
Brassica napus 2781
cereals 4627
Lycopersicon esculentum 2822
mice, books 6765
Nicotiana tabacum 3578, 6561, 6577
Petroselinum crispum 22
Petunia hybrida 1350
plants 1359, 1366, 2021, 5953, 6559
Populus 6561
Xenopus 1456
Zea mays 1678
testes
gene transfer, oxytocin, mice 2800
heat shock proteins, promoters, mice 2819
tyrosine kinase
receptors
binding proteins
mice 1311
mutations, mice 1306
tetanus, toxins, spermatogenesis, transgenics, mice 582
thioglucosidase
Brassica napus 2456
Sinapis alba 1384, 4600

Gene expression *cont.*
thiol protease, *Arabidopsis thaliana* 5704
thioneins
Hordeum vulgare 5637
Nicotiana tabacum 5637
thionins, *Hordeum vulgare* 3911
threonine, *Nicotiana tabacum* 1920
threonine dehydratase, *Lycopersicon esculentum* 326
thrombomodulin, promoters, mice 3971
thromboxane-A synthase, mice 4598
thymidylate synthase
cell lines, mice 1845
introns, mice 5156
thyrotropin, receptors, targeted mutagenesis, cell lines, mice 4494
tissue culture, *Brassica juncea* 4647
tissue specificity, keratin, transgenics, mice 5503
tobacco mosaic tobamovirus, *Nicotiana tabacum* 1331, 1557, 3891, 4005, 4021
α-tocopherol, transport protein, rats 5606
tomato spotted wilt tospovirus, *Arachis hypogaea* 6199
toxic substances, *Triticum aestivum* 2721
toxins
Bacillus sphaericus 2692
diphtheria
adipocytes
obesity, transgenics, mice 44
reproduction, transgenics, mice 44
macrophages, eyes, cells, mice 587
plasmids, *Bacillus thuringiensis* 4343
transcription factors
cell lines 2390
embryos, mice 253
enhancers, cell lines, mice 2410
fibroblasts, fowls 841
heat shock, fowls 5749
kidneys, cell lines 3461
liver, promoters, cell lines 807
Lycopersicon peruvianum 3269
mice 186, 814, 3002, 3006
nervous system
cell lines, mice 4586
promoters, embryos, mice 4586
rats 813
Nicotiana tabacum 4654
olfactory neuronal, rats 5081
pituitary, fishes 3010
plants 3543
repression, central nervous system, embryos, mice 4043
skin
embryos
mice 758
rats 758
spermatogenesis, mice 830
targeted mutagenesis, mice 1194
transgenics, brain, mice 2816
Triticum aestivum 1362
transfer RNA 746
Cucumis sativus 5828
Solanum tuberosum 5825
transferrin
promoters
brain, transgenics, mice 4050
liver, transgenics, mice 4050
transforming growth factor
adipose tissue, development, transgenics, mice 3334
body fat, transgenics, mice 3334
body weight, transgenics, mice 3334
major histocompatibility complex, mice 3513
muscle weight, transgenics, mice 3334
pigs 5191
receptors, rats 1788
spermatogenesis, rats 810
transgenics, mice, reviews 2391
translocation, *Solanum tuberosum* 2371, 4641
transposable elements
Arabidopsis thaliana 1323, 1996, 5196, 6558
Lactuca sativa 2487
Lycopersicon esculentum 2822

Gene expression *cont.*
transposable elements *cont.*
Nicotiana tabacum 1376, 2447, 4640
Petunia hybrida 2453, 6386
Zea mays 2447, 2453, 2487, 3020, 4995-4998, 5232, 5841
transposase, *Arabidopsis thaliana* 5196
triacylglycerol lipase
dogs 780
pancreas, rabbits 3437
trichohyalin, sheep 776
trihydroxystilbene synthase, *Nicotiana tabacum* 3364
triose-phosphate translocator
Flaveria pringlei 2940
Flaveria trinervia 2940
Nicotiana tabacum 4011
Solanum tuberosum 6385
Zea mays 2940
Triticum aestivum 2785, 4608, 4947
tropinone reductase, *Datura stramonium* 5670
tropomyosins
embryonic stem cells, mice 2409
embryos, mice 2409
exons, splicing, muscles, rats 6342
trypsin inhibitors
Acacia confusa 1810
Hordeum vulgare 1883
Nicotiana tabacum 1883
Triticum aestivum 1883
tryptophan, *Arabidopsis thaliana* 862
tryptophan synthase, *Arabidopsis thaliana* 864
tubers, *Solanum tuberosum* 4643, 6359
tubulin
Glycine max 4116
Nicotiana tabacum 4116
Zea mays 1829, 2354
β-tubulin
Arabidopsis thaliana 1611
Avena sativa 4072, 4628
Zea mays 3500
tumour necrosis factor, cell lines 261
tumour suppression, spermatogenesis, transgenics, testes, mice 5714
turnip yellow mosaic tymovirus 130
tyrosine aminotransferase
glucocorticoids, cell lines, rats 4037
insulin, cell lines, rats 4037
tyrosine kinase
fowls 1316
receptors
binding proteins, mutations, Sertoli cells, germ cells, binding, mice 1312
embryos, mice 1863
fowls 1226
haematopoiesis, mice 5050
mice 255
tyrosine 3-monooxygenase, promoters, proto-oncogenes, nerve growth factor, rats 4579
ubiquitin
Arabidopsis thaliana 6269
Nicotiana sylvestris 6269
Oryza sativa 1330
Picea abies 4606
Zea mays 5663, 5776
uncoupling protein, promoters, brown fat, mice 3333
uracil-DNA glycosylase, crops 2430
UTP-glucose-1-phosphate uridylyltransferase, *Solanum tuberosum* 355
variant surface glycoproteins, promoters, *Trypanosoma brucei* 1148
varicella-zoster virus, thymidine kinase, liver, transgenics, mice 1133
variegation, *Zea mays* 5787
vasopressin, transgenics, mice 2225
vectors
cell lines 563
embryonic stem cells, interferon, development, mice 4936
enhancers, cell lines, mammals 3309
plants 1682, 3856
polyadenylation, signals, mammals 4928
Zea mays 6150
vegetative storage proteins, *Glycine max* 5202

Gene expression *cont.*
vicilin
Picea engelmannii 4080
Picea glauca 4080
vimentin, silencers, fowls 3512
virulence, *Fulvia fulva* 4433
viruses 286
enhancers, thymus, mice 2343
plants 1682, 4626
Solanum tuberosum, reviews 6432
vivipary
Oryza sativa 5106
Zea mays 6416
water, transporters, kidneys, rats 718
water stress, plants 4351
wingless-related MMTV integration site, antisense DNA, mice 2385
wounding
Hordeum vulgare 6176
Lycopersicon esculentum 5531
Nicotiana tabacum 5641
Phaseolus vulgaris 6175
Vigna angularis 5655
Xanthomonas campestris
Arabidopsis thaliana 5522
Brassica 1165
yeast artificial chromosomes, gene transfer, mice, reviews 32
Zea mays 287, 3569, 4087, 4602
zein 1891
Zea mays 343, 348, 2460, 2466, 5771, 5780-5781, 6246
Zinnia elegans 2488
Gene flow
biosafety
Brassica napus 4363
Solanum dulcamara 6726
Solanum nigrum 6726
Solanum tuberosum 4363, 6726
interspecific hybridization
Solanum dulcamara 6726
Solanum nigrum 6726
Solanum tuberosum 6726
release
Solanum dulcamara 6726
Solanum nigrum 6726
Solanum tuberosum 6726
Gene frequency, breed differences, inhibin, DNA, restriction fragment length polymorphism, sheep 4681
Gene mapping
abscisic acid
Elymus elongatus 4701
Triticum aestivum 4701
abscission, *Lycopersicon esculentum* 4194
aconitate hydratase, mitochondria, cells, fusion, cattle 6492
actin, polymerase chain reaction, satellite DNA, mice 878
adenosinetriphosphatase
Arabidopsis thaliana 5652
DNA hybridization, pigs 900
restriction fragment length polymorphism, mice 3608
α-adrenergic receptors, genetic polymorphism, mice 3607
Aegilops 5266
Aegilops squarrosa 926, 4165, 4170, 5263, 5276, 5278-5279, 5281-5282, 5307-5308
Agaricus bisporus 1436
alcohol dehydrogenase, mice 3581
alkaline phosphatase, restriction fragment length polymorphism, pigs 5859
D-amino-acid oxidase, DNA hybridization, pigs 906
aminopeptidases, *Hordeum vulgare* 4723
α-amylase, *Hordeum vulgare* 4723
amylase inhibitors, *Hordeum vulgare* 1270
anaemia
restriction fragment length polymorphism
mice 919
rats 919
thrombocytopaenia, restriction fragment length polymorphism, mice 372
androgen-regulated protein, mice 664

Gene mapping *cont.*
angiotensin, receptors, DNA hybridization, rats 4680
antigens
bullous pemphigoid, restriction fragment length polymorphism, mice 359
heat stable, restriction fragment length polymorphism, mice 2420
histocompatibility, microsatellites, mice 4144
apolipoproteins
linkage, pigs 3054
satellite DNA, pigs 3054
Arabidopsis thaliana 2544, 4160
arginine vasopressin, restriction fragment length polymorphism, mice 367
auxins, *Glycine max* 5822
B lymphocytes
antigens
DNA hybridization, mice 4141
restriction fragment length polymorphism, mice 4141
bare patches, restriction fragment length polymorphism, mice 879
Beta vulgaris, sugarbeet 6123
biglycan
restriction fragment length polymorphism, mice 883
yeast artificial chromosomes, pulsed field electrophoresis, mice 883
Bremia lactucae, Lactuca sativa 1178
calcium
release
channels
fluorescence microscopy, pigs 6463
pigs 1944
calcium binding proteins
Arabidopsis thaliana 5652
Hordeum vulgare 5632
calreticulin, *Hordeum vulgare* 5632
carbonic anhydrase related protein, mice 4678
casein
DNA hybridization
cattle 893
goats 893
sheep 893
catalase, *Oryza sativa* 2950
catenins, mice 6242
cattle, reviews 888
cell fusion
computer software 5955
hybridization, cattle 4675
cells
hybrids, polymerase chain reaction 3667
surface proteins, rats 1938
cereals 395, 3626
ceruloplasmin, DNA hybridization, pigs 2499
chlorophyll *a/b* binding protein, *Triticum aestivum* 6546
chloroplast genetics
Nicotiana tabacum 218
reviews 1926
chromosome banding, species, comparisons 3060
chromosomes
DNA hybridization, rats 1965
nucleolus organizer, cell fusion, sheep 3585
restriction fragment length polymorphism, rats 1965
ciliary neurotrophic factor, mice 4677
circadian rhythm, mice 4694
cleft palate, restriction fragment length polymorphism, mice 3057
cloning
restriction fragment length polymorphism, algorithms 5956
techniques 3134
coat colour, piebald, mice 6484
complement, DNA hybridization, pigs 6462
complement 1 receptor, cell fusion, sheep 3585
computer software 403, 6557
computers, books 4377

Gene mapping *cont.*
conglutinin, DNA hybridization, cattle 3056
cosmids, *Oryza sativa* 5896
Cronartium fusiforme, Pinus elliottii 4725
cytochrome-*c* oxidase, plants 5912
cytochromes, restriction fragment length polymorphism, mice 760
cytokines, receptors, mice 701
cytoplasmic male sterility, *Phaseolus vulgaris* 6073
databases, *Triticum aestivum* 5262
development
Lycopersicon esculentum 4569
mice 4150
Zea mays 5877
dihydrofolate reductase, *Aedes albopictus* 1704
dihydrokaempferol 4-reductase, *Pharbitis nil* 4715
dihydropyridine, receptors, molecular genetics, mice 1397
disease resistance
Pisum sativum 5275
plants 2262
Solanum tuberosum, reviews 6432
trypanosomiasis, cattle 1961
diseases, urogenital syndrome, restriction fragment length polymorphism, mice 1406
DNA
polymorphism
detection, synthetic tandem repeats, mice 904
marker genes, cattle 6451
restriction fragment length polymorphism, fishes 915
stretching, DNA hybridization, fluorescence, techniques 4754
typing, electrophoresis, two-dimensional, books 5465
DNA binding proteins
DNA hybridization, mice 1958
restriction fragment length polymorphism, mice 1958
DNA hybridization
calcium, channels, mice 6228
ceruloplasmin, rats 5254
computer software 5955
dipeptidyl-peptidase IV, pigs 1963
glucose-6-phosphate isomerase, pseudogenes, pigs 1945
immunoglobulins, buffaloes 1946
lactalbumin
cattle 1947
goats 1947
sheep 1947
lactoperoxidase
cattle 1947
goats 1947
sheep 1947
metallothionein, rats 5254
mice 1940
repetitive DNA, X chromosome, hamsters 2536
retinoblastoma
cattle 1947
goats 1947
sheep 1947
satellite DNA, horses 3617
serotonin, receptors, mice 2909
techniques, reviews 4209
DNA libraries
chromosome translocation, cattle 6495
construction, chromosomes, dissection, cattle 6495
DNA probes
isolation, fluorescence, DNA hybridization, pigs 3079
retinoblastoma, hamsters 5256
DNA repair, proteins, mice 3980
DNA topoisomerase, mice 673, 3582
dopamine, transporter, restriction fragment length polymorphism, mice 4682
drug resistance, DNA hybridization, rats 374
dwarfism, molecular genetics, mice 1936
electrophoresis, *Zea mays* 4731

Gene mapping *cont.*
Elymus repens 5264
endogenous viruses, restriction fragment length polymorphism, mice 6474
enzymes, DNA hybridization, buffaloes 1409
esterases
blood proteins, rats 4142
Hordeum vulgare 4723
evolution
plants 5912
Zea mays 924
experimental design, livestock 5246, 6465
flowering, *Arabidopsis thaliana* 2542
flowers, *Pharbitis nil* 4715
follistatin, DNA hybridization, pigs 6462
α-L-fucosidase, restriction fragment length polymorphism, rats 3592
Fulvia fulva, Lycopersicon esculentum 4712
β-galactoside, binding proteins, DNA hybridization, mice 357
genes
callipyge, microsatellites, sheep 5248
homeo box, mice 2323
pili
chromosomes, *Escherichia coli* 56
plasmids, *Escherichia coli* 56
zinc finger, mice 4139
genetic markers, *Lens culinaris* 5312
genetic polymorphism
genes, midkine, mice 3614
heparin-binding neurotrophic factor, mice 3614
genomes, books 4915
Gibberella zeae, Zea mays 5523
gliadin
Triticum aestivum 4727
Triticum durum 3645
globins, DNA, hypersensitivity, fowls 5188
Globodera rostochiensis
Solanum spegazzinii 3368
Solanum tuberosum 3368
1,4-α-glucan branching enzyme, *Zea mays* 2474
glucokinase, mice 2521
glucose
transporters
genetic polymorphism, rats 3592
restriction fragment length polymorphism, rats 3592
glucose-1-phosphate adenylyltransferase
Hordeum vulgare 4175
Triticum aestivum 1238
glucose-6-phosphate isomerase
fluorescence microscopy, pigs 6463
pigs 1944
restriction fragment length polymorphism, pigs 5859
glucose-regulated protein, DNA hybridization, pigs 906
glutamate decarboxylase, mice 4121
glutenins, *Triticum durum* 3645
Glycine max 3648
glycoproteins
brain, restriction fragment length polymorphism, mice 262
microfibrils, DNA hybridization, mice 2389
T lymphocytes, restriction fragment length polymorphism, mice 3064
grain legumes 5315
growth
livestock 4145
mice 4145
growth period
Arabidopsis thaliana 5270
Hordeum vulgare 4154
gynoecium, *Hordeum vulgare* 5632
gynogenesis, haploids, fishes 6479
HCG, DNA hybridization, pigs 1407
heat shock proteins
Brucella melitensis 2250
restriction fragment length polymorphism, mice 3057
height
Hordeum vulgare 4154
Zea mays 5894, 5932

Gene mapping *cont.*
Heterodera avenae, Secale cereale 4177
histocompatibility antigens
microsatellites, mice 1426
restriction fragment length polymorphism, mice 1426
homeo box, restriction fragment length polymorphism, rats 1394
homologues
man, rats 4695
mice, rats 4695
hordein, *Hordeum vulgare* 929, 4723
Hordeum californicum 5264
Hordeum vulgare 4166, 5263, 5276, 5279, 5281, 5289-5290, 5308
horns, development, linkage, microsatellites, cattle 3591
horses 1422
immunoglobulins, receptors, cells, fusion, cattle 6478
insertional mutagenesis, DNA hybridization, mice 6165
insulin-like growth factor, binding proteins, mice 678
interferon
DNA hybridization
cattle 2500
goats 3598
livestock 896
sheep 3598
pigs 4761
interleukins
DNA hybridization, cattle 1935
receptors, mice 897, 5247
islet amyloid polypeptide, cell fusion, sheep 3585
isoenzymes
Lens culinaris 5312
Lycopersicon esculentum 4899
Lycopersicon pennellii 4899
Prunus persica 4157
Secale cereale 5872
lactoferrin, cattle 914
leukocytes
antigens
DNA hybridization, rats 916
restriction fragment length polymorphism, mice 916
linkage
mice 2510
rats 4136, 4695
lipid transfer proteins, *Hordeum vulgare* 1822
livestock, reviews 2492
Lucilia cuprina 377
α-2-macroglobulin factor, cell fusion, sheep 3585
Magnaporthe grisea, Oryza sativa 4193
major histocompatibility complex
DNA hybridization, livestock 896
polymerase chain reaction, rats 3988
restriction fragment length polymorphism
fowls 5253
mice 3057
male sterility, *Zea mays* 6070
Manihot aesculifolia 1969
Manihot esculenta 1969
marker genes
mice 907
restriction fragment length polymorphism, linkage, rats 3592
Medicago sativa 2017
Melampsora lini, Linum usitatissimum 605
Meloidogyne
Lycopersicon esculentum 1163, 3097
Lycopersicon peruvianum 3097
membrane proteins
Borrelia afzelii, plasmids 3883
Borrelia burgdorferi, plasmids 3883
Borrelia garinii, plasmids 3883
Plasmodium berghei 77
meprin, restriction fragment length polymorphism, mice 5575
meprin-A, mice 364
mice, reviews 3050, 6458
microsatellites
cattle 911
dipeptidyl-peptidase IV, pigs 1963

Gene mapping *cont.*
microsatellites *cont.*
disease resistance, diabetes, mice 1934
DNA binding proteins, electrophoresis, mice 1933
DNA hybridization
cattle 4684
pigs 6462
fishes 4143
mice 1952
rats 1952
sheep 4684
skeleton, mutations, tail kinks, mice 1949
thyrotroph embryonic factor, mice 1953
thyrotropin releasing hormone, receptors, mice 1953
milk proteins, cattle, reviews 1222
mitochondria, *Triticum aestivum* 2015
mitochondrial genetics
Arabidopsis thaliana 5851
Oryza sativa 1442
Phaseolus vulgaris 2159
molecular genetics, reviews 2552
morphology
Prunus persica 4157
Zea mays 1978
Zea mexicana 1978
Zea parviglumis 1978
mutations
detection, polymerase chain reaction, reviews 2494
spasmodic, mice 5858
myogenic factor 5, cell fusion, sheep 3585
myosin-like heavy chain, cell fusion, sheep 3585
NADH dehydrogenase, plants 5912
neoplasms
intestines
mice 1937
microsatellites, mice 366
restriction fragment length polymorphism, mice 366
susceptibility, restriction fragment length polymorphism, satellite DNA, mice 2526
neurotensin, DNA hybridization, sheep 1424
obesity
microsatellites, mice 1390
restriction fragment length polymorphism, mice 1390
opioid peptides, receptors, restriction fragment length polymorphism, mice 1846
opioids, binding proteins, mice 882
ornithine carbamoyltransferase, DNA hybridization, fowls 885
Orseolia oryzae, Oryza sativa 3909
Oryza sativa 387, 2538-2539, 5895, 5911
oxytocin, restriction fragment length polymorphism, mice 367
pancreas islets, regeneration, DNA hybridization, rats 5616
pancreatic elastase II, genetic polymorphism, rats 3592
patents 3281
peroxisomes, receptors, restriction fragment length polymorphism, mice 6497
phagocyte oxidase, restriction fragment length polymorphism, mice 3953
phosphoenolpyruvate carboxylase, *Triticum aestivum* 6546
phosphogluconate 2-dehydrogenase, pigs 1944
phosphogluconate 2-dehydrogenase (decarboxylating), restriction fragment length polymorphism, pigs 5859
phosphopyruvate hydratase, restriction fragment length polymorphism, pigs 5859
phosphorylase kinase, restriction fragment length polymorphism, mice 360
phytochrome, *Triticum aestivum* 6546
pigs 2491

Gene mapping *cont.*
pigs *cont.*
reviews 6448, 6466
Pinus pinaster 6526
Pisum sativum 3630
placenta, proteins, restriction fragment length polymorphism, mice 899
plants 925, 2000
books 4914
reviews 933, 5901
plasminogen activator, DNA hybridization, pigs 906
pollen germination, *Zea mays* 6074
polygalacturonase-inhibiting protein
Phaseolus coccineus 3633
Phaseolus vulgaris 3633
polymerase chain reaction
panhandle method, DNA sequencing, techniques 3112
techniques 5336
Triticum 4190
pro-opiomelanocortin, restriction fragment length polymorphism, cell fusion, hybridization, cattle 4688
protein kinase
calcium dependent, cell fusion, mice 4133
calmodulin dependent, cell fusion, mice 4133
restriction fragment length polymorphism, mice 6486
protein synthesis, initiation factors, DNA probes, mice 908
proteins, *Zea mays* 4710
proteolipid protein, thyroxine-binding globulin, sheep 4147
proto-oncogenes, restriction fragment length polymorphism, mice 6474
Prunus persica 2540
pseudogenes
DNA topoisomerase, mice 3582
α-tubulin, rats 3592
Pseudomonas syringae
Arabidopsis thaliana 113, 1164, 1983, 4159
Lycopersicon esculentum 1175
Puccinia, Triticum aestivum 5288
Puccinia striiformis, Hordeum vulgare 5525
quantitative traits
animals, reviews 4197
Hordeum vulgare 3636
pigs 6449
plants, reviews 4197
statistical analysis 2554
Zea mays 6511
random amplified polymorphic DNA
Arabidopsis thaliana 1449
fishes 4143
Medicago sativa 4704
Musa 3632
Pinus elliottii 4725
Pisum sativum 5275
plants 1449
Secale cereale 5915
Sorghum bicolor 5271
Sorghum propinquum 5271
Vaccinium darrowii 4185
Vaccinium elliottii 4185
Zea mays 5294
rats 3062
recombination walking, yeast artificial chromosomes, techniques 408
recoverin, restriction fragment length polymorphism, mice 905
reference loci, mammals, reviews 3069
repetitive DNA
cell fusion, hybridization, cattle 4690
Elymus elongatus 4700
Oryza sativa 2551
restriction fragment length polymorphism
cattle 5255
mice 876
Triticum aestivum 4700
Y chromosome, DNA hybridization, cattle 6502
Zea mays 2006
replication, origin, *Mycoplasma capricolum* 2251

Gene mapping *cont.*
restriction fragment length polymorphism
Arabidopsis thaliana 391, 930
Arachis cardenasii 3635
Arachis stenosperma 3635
bikunin, precursors, mice 4502
chromatin, high mobility group proteins, mice 4589
conifers 6507
corticoliberin, mice 1951
DNA binding proteins, electrophoresis, mice 1933
Medicago sativa 4704
microglobulins, precursors, mice 4502
Musa 3632
Oryza officinalis 6535
Oryza sativa 3638, 6535
Picea abies 6512
Pinus taeda 6507, 6523
Pisum sativum 5275
potassium, channels, mice 3058, 3612
ribonucleoproteins, genes, imprinting, mice 4676
Saccharum spontaneum 5274
Secale cereale 5915
Sorghum bicolor 5271, 5303
Sorghum propinquum 5271
Triticum aestivum 1977, 4733
tumour necrosis factor, mice 4149
utrophin, mice 1770
Zea mays 4709, 4731, 5272-5273, 5309, 5906
retinoblastoma-1, DNA hybridization, rats 4685
retinoic acid, receptors, mice 2535
ribosomal DNA
Hordeum spontaneum 4721
Hordeum vulgare 4172, 4707, 4721
mice 4137
Oryza sativa 2008
Scilla scilloides 6532
ribosomal RNA, pigs, books 6483
ribosomes
plants 5912
proteins, sex chromosomes, mice 3990
ribulose-bisphosphate carboxylase, *Triticum aestivum* 6546
roots, *Lycopersicon esculentum* 4569
Saccharum spontaneum 2007
salinity
Lycopersicon esculentum 4899
Lycopersicon pennellii 4899
satellite DNA
cattle 4119
cell fusion, cattle 3589
chromosomes, mice 3051
DNA hybridization
cattle 3620
pigs 3609
DNA probes, sex chromosomes, pseudoautosomal region, pigs 3072
genetic polymorphism, mice 3607, 3619
marker genes, cattle 3073
mice 890
pigs 6491
Secale cereale 4163, 4166, 5263, 5278-5279, 5281
seeds, *Zea mays* 924
self incompatibility, *Lycopersicon peruvianum* 1428
seminal vesicles, proteins, DNA hybridization, mice 717
Setosphaeria turcica, Zea mays 3362, 6180
sex-determining region Y, Y chromosome, pigs 921
sialoproteins, restriction fragment length polymorphism, mice 4696
sodium
channels, restriction fragment length polymorphism, mice 4692
exchangers, DNA hybridization, rats 6501
sodium-hydrogen exchanger, restriction fragment length polymorphism, mice 369

Gene mapping *cont.*
somatoliberin
receptors
mice 4127
molecular genetics, mice 1936
somatostatin, rats 1938
somatotropin
fluorescence microscopy, pigs 6463
receptors, DNA hybridization, pigs 6462
spermatogenesis, mice 3070
starch, *Zea mays* 4710
sterility, restriction fragment length polymorphism, mice 3070
striated, restriction fragment length polymorphism, mice 879
sucrase-isomaltase, restriction fragment length polymorphism, mice 1391
sucrose, *Lycopersicon* 726
superoxide dismutase, restriction fragment length polymorphism, rats 3592
synthetic tandem repeats, mice 904
T-complex, homologues, linkage, horses 2520
tailless, restriction fragment length polymorphism, mice 918
taxonomy
Hordeum 4151
Leymus 4151
Psathyrostachys 4151
techniques
Arabidopsis thaliana 407, 4716
DNA hybridization, polymerase chain reaction, cell lines 2027
Oryza sativa 5910
polymerase chain reaction 953, 4761
restriction endonucleases, cell lines 6569
transposable elements, cattle 914
Zea mays 4731
Theileria parva, reviews 3068
Thinopyrum distichum 5264
thiosulfate sulfurtransferase, mice 4679
Tilletia indica, Triticum aestivum 4188
tomato yellow leaf curl bigeminivirus, *Lycopersicon esculentum* 5536
transcription factors
mice 3052, 4150
restriction fragment length polymorphism, mice 368
sex linkage, mice 6464
transforming growth factor
restriction fragment length polymorphism
mice 5257
pigs 5859
transposable elements
cereals 3083
Linum usitatissimum 605
Lycopersicon esculentum 1981
Nicotiana tabacum 1242
plants 1258, 5878
Zea mays 3081
triacylglycerol lipase
DNA hybridization, pigs 906
fluorescence microscopy, pigs 6463
triticale 5266
Triticeae 4713, 5304
Triticum aestivum 926, 2538, 4163, 4165, 4713, 5263-5264, 5266, 5276, 5278-5279, 5281-5282, 5289, 5293, 5297, 5307-5308
tropoelastin, rats 4136
tryptophan-tRNA ligase, DNA probes, cattle 892
tumour necrosis factor, restriction fragment length polymorphism, rats 3061
tumour protein, pigs 913
turkey herpesvirus 86
tyrosine kinase, receptors, restriction fragment length polymorphism, mice 1863
ubiquitin, *Zea mays* 5906
uridine monophosphate synthase
DNA hybridization, cattle 3071
fluorescence, DNA hybridization, cattle 3055
uroplakin
cell fusion, cattle 3616

Gene mapping *cont.*
uroplakin *cont.*
restriction fragment length polymorphism, mice 3616
vernalization, *Arabidopsis thaliana* 2542
Vigna radiata 392
Vigna unguiculata 392
viral proteins, African swine fever virus 1140
viruses, *Solanum tuberosum,* reviews 6432
water soluble proteins, *Hordeum vulgare* 4723
X chromosome, inactivation, microsatellites, mice 1419
Zea mays 2538-2539, 5885, 5891, 5908, 5919
Gene sequencing (*see also* DNA sequencing; Nucleotide sequences)
computer analysis, databases 237
computer software, repetitive DNA 238
Gene symbols
DNA, segments, mice 6488-6489
marker genes, mice 875
mice 1387, 6487
satellite DNA, mice 875
Gene tagging
Agrobacterium tumefaciens, Arabidopsis thaliana 2556
blue light, *Arabidopsis thaliana* 2345
Cochliobolus carbonum, Zea mays 6536
colour
Antirrhinum majus 6299
Arabidopsis thaliana 5905
DNA photolyases, *Arabidopsis thaliana* 2345
epidermis, *Antirrhinum majus* 6299
flowers, *Antirrhinum majus* 6299
Fulvia fulva, Lycopersicon esculentum 3901
heat shock proteins, *Arabidopsis thaliana* 6558
height, *Zea mays* 5931
luciferase, *Lycopersicon esculentum* 6516
Puccinia antirrhini, Antirrhinum majus 1180, 1968
Puccinia sorghi, Zea mays 1181
reporter genes, *Petunia hybrida* 6420
selectable markers
Lycopersicon esculentum 6553
Nicotiana tabacum 6553
spectinomycin adenyltransferase
Lycopersicon esculentum 6553
Nicotiana tabacum 6553
streptomycin
Lycopersicon esculentum 6553
Nicotiana tabacum 6553
streptomycin phosphotransferase, *Petunia hybrida* 6420
transposable elements
Antirrhinum majus 1968
Arabidopsis thaliana 1996, 4198, 5905, 6558
Datura fastuosa 6552
Lycopersicon esculentum 4191, 5899, 6516
Lycopersicon pennellii 4191
Petunia hybrida 6420
Zea mays 1181, 6536
Vitis vinifera 2009
Zea mays 287
Gene therapy 3303
Adenoviridae, vectors, liver cells, mice 4937
anaphylaxis, mice 2288
animal models, books 2220
antisense DNA
transcription factors
mortality, mice 6202
toxicity, mice 6202
blood coagulation factors
gene transfer
Adenoviridae, vectors, liver cells, mice 2206
fibroblasts, mice 4939
books 4378
brain-derived neurotrophic factor, gene transfer, fibroblasts, nervous system diseases, rats 4927
cells, transplantation, haemophilia, mice 1665

Gene therapy *cont.*
- diabetes, major histocompatibility complex, mice 2238
- diseases, antisense DNA, oligodeoxynucleotides 6174
- gene transfer
  - dystrophin, muscular dystrophy, mice 3327
  - muscles, mice 4935
- β-glucuronidase, gene transfer, fibroblasts, lysosomes, storage disorders, mice 3352
- haemophilia, blood coagulation factors, retroviral vectors, dogs 2765
- interferon, receptors, targeted mutagenesis, myoblasts, mice 4493
- luciferase, gene expression, arteries, dogs 11
- muscular dystrophy, dystrophin, gene transfer, muscles, mice 4387
- retroviral vectors
  - construction, reviews 1104
  - design, reviews 1104
  - thymidine kinase, neoplasms, liver, nucleosides, analogues, rats 561
- Retroviridae, vectors, bone marrow cells, mice 5479
- somatotropin, transfection, fibroblasts, encapsulation, mice 3308
- thyroid diseases, dogs 1666

Gene transfer (*see also* Transgenics)
- actin
  - promoters
    - gene expression
      - muscles, mice 3322
      - myocardium, mice 3322
- Adenoviridae
  - vectors
    - liver cells, mice 4937
    - muscles, cells, rats 2208
    - myocardium, rats 2208
    - tumour necrosis factor, inhibitor, mice 2209
- β-adrenergic receptors, gene expression, plasminogen activator, cell lines 2311
- amyloid, embryonic stem cells, mice 4410
- animal health, livestock, reviews 2815
- antigens, deletions, T lymphocytes, development, mice 3331
- antisense DNA
  - G proteins, gene expression, mice 1131
  - major histocompatibility complex, B lymphocytes, transgenics, mice 5497
- antisense RNA, hepatitis virus, disease resistance, transgenics, mice 3353
- antitrypsin, liposomes, liver cells, mice 2204
- biolistics
  - cell lines 6130
  - phosphoribosylaminoimidazole carboxylase, *Cryptococcus neoformans* 2256
  - reviews 4958
  - trachea
    - fowls 2207
    - mice 2207
- blood coagulation factors
  - Adenoviridae, vectors, liver cells, gene therapy, mice 2206
  - fibroblasts, gene therapy, mice 4939
  - liver, glycoproteins, receptors, rats 3304
  - retroviral vectors
    - fibroblasts
      - mice 1665
      - rats 1665
- bone marrow, techniques 2291
- brain-derived neurotrophic factor, fibroblasts, gene therapy, nervous system diseases, rats 4927
- catechol oxidase, spermatozoa, acrosome, development, mice 4970
- cellulase, pancreas, mice 2804
- cholesteryl esters, transfer proteins, lipoproteins, receptors, mice 2226

Gene transfer *cont.*
- cystic fibrosis, transmembrane conductance regulator, liposomes, inhalation, mice 4384
- dihydrofolate reductase, vectors, *Aedes albopictus*, cell lines 2831
- disease resistance, livestock, reviews 2815
- diseases, xeroderma pigmentosum, embryonic stem cells, chimaeras, mice 3875
- DNA, injection, yeast artificial chromosomes, mice 5950
- dystrophin
  - muscles, gene therapy, muscular dystrophy, mice 4387
  - muscular dystrophy, gene therapy, mice 3327
- efficiency
  - DNA, injection, skeletal muscle, mice 1664
  - embryos, microinjection, mice 3324
- electroporation
  - adipocytes, rats 4759
  - fishes 564
  - techniques 4957
- fibroblasts, β-glucuronidase, lysosomes, storage disorders, gene therapy, mice 3352
- gene therapy, muscles, mice 4935
- genes
  - wingless
    - antisense RNA
      - gene expression, mice 1125
      - spermatogenesis, mice 1125
- globins
  - chimaeras, sickle cell anaemia, mice 5507
  - mutations, transgenics, mice 5494
  - yeast artificial chromosomes, mice 43, 2224
- glucose, transporters, muscles, mice 5506
- haemoglobin, vectors, transgenics, pigs 3337
- heart, techniques, rats 3306
- heat shock proteins, testes, transgenics, mice 2819
- Herpesviridae, vectors, nervous system, reviews 2564
- immunoglobulins, yeast artificial chromosomes, embryonic stem cells, liposomes, mice 3326
- insertional mutagenesis, mice 6165
- insulin-like growth factor, mammary glands, cell lines, cattle 5015
- interleukins, vectors, vaccinia virus, immune response, mice 4934
- liposomes
  - plasmids, mice, intravenous injection 4940
  - techniques, cell lines, mammals 4929
- lipospermine, techniques 3100
- luciferase, liposomes, arteries, dogs 11
- lysozyme, gene expression, mammary glands, mice 3335
- major histocompatibility complex, transgenics, mice 2238
- marker genes, liver, endocytosis, hepatectomy, rats 562
- microinjection, embryo mortality, mice 3324
- mouse mammary tumour virus, T lymphocytes, clonal deletion, mice 5500
- myocardium, techniques, rats 3306
- oncogenes
  - kidney diseases, mice 2236
  - neoplasms, mice 2221
- oxytocin
  - androgens, in testes, mice 2800
  - gene expression, testes, mice 2800
  - spermatozoa, reserves, mice 2800
  - testes, morphology, mice 2800
- papillomavirus, neoplasms, mice 2219
- performance, livestock, reviews 2815
- pharmaceutical proteins
  - livestock, reviews 2815
  - mammary glands, transgenics, livestock, reviews 2813
- phosphorylcholine, antibodies, mice 4411
- plants 1624

Gene transfer *cont.*
- plasmids
  - recombination, analysis, cell lines 2763
  - spermatozoa, fowls 1667
  - targeted mutagenesis, *Lactobacillus helveticus* 1120
  - testes, injection, mice 6132
- plasminogen activator, antisense DNA, oocytes, mice, maternal effects 4413
- prolactin, antisense DNA, brain, animals, reviews 4577
- proteins
  - mammary glands
    - milk
      - laboratory mammals, reviews 4964
      - livestock, reviews 4964
- proto-oncogenes
  - heart, injection, rats 2205
  - yeast artificial chromosomes, cell lines, mice 5478
- receptor-mediated endocytosis, blood coagulation factors, liver, rats 4933
- receptors, cell lines, techniques, books 6128
- recombinant vaccines, *Streptococcus pneumoniae*, mice 4411
- release
  - bacteria 1626
  - viruses 1626
- reporter genes
  - Adenoviridae, liver cells, gene expression, mice 2766
  - embryos, fowls 6129
  - liposomes
    - lungs, mice 2757
    - lymphocytes, mice 5476
  - microinjection, embryos, fowls 2232
  - muscles, diaphragm, mice 1663
  - plasmids, gene expression, muscles, mice 2767
  - retroviral vectors, liver cells, dogs 2758
  - transgenics, embryos, mice 2234
- retroviral vectors
  - bone marrow cells, cell culture, dogs 2215
  - cell lines 12
  - cells, mammals, reviews 4930
  - construction, reviews 1104
  - design, reviews 1104
  - gene expression, liver, fowls 581
  - particles, cell lines 5474
  - primordial germ cells, transgenics, fowls 1696
- simian virus 40, neoplasms, mice 1124
- somatotropin
  - abnormalities, rats 6163
  - body weight, mice 3877
  - carcass composition, lipids, pigs 5510
  - embryonic development
    - in sheep oviducts, cattle 3676
    - *in vitro*, cattle 3676
  - gene expression, mammary glands, mice 1137
  - growth, fishes 2223
  - hypothalamic releasing hormones
    - pigs 6163
    - rabbits 6163
  - microcapsules, gene expression, mice 2759
  - reproduction, mice 3877
  - Retroviridae, mammary glands, goats 6158
- spermatozoa
  - electroporation, fishes 1136, 3846
  - irradiation, fowls 1697
- spleen necrosis virus
  - embryos
    - *in vitro* culture
      - mice 6131
      - pigs 6131
- T lymphocytes
  - receptors
    - diabetes, transgenics, mice 2227
    - lymphocytic choriomeningitis virus, glycoproteins, diabetes, mice 4965

Gene transfer *cont.*
targeted mutagenesis, vectors, embryonic stem cells, mice 159
thyroid gland, cells, retroviral vectors, dogs 1666
toxins, brown fat, mice 3333
transferrin
Adenoviridae, lungs, rats 5472
receptors, techniques, cell lines 566
transgenics, management, mice 4406
transposable elements, bacteria, intestines, mammals, reviews 565
vasopressin, mice 2225
vectors
Adenoviridae, DNA methylation, insertional mutagenesis, reviews 4385
lungs, rats 5472
plasmids, cell lines, mammals 1103
yeast artificial chromosomes, gene expression, mice, reviews 32
Genes (*see also* Oncogenes; Proto-oncogenes)
activation
embryos, retinoic acid, transgenics, mice 31
oestrogens, mammals, reviews 4042
progesterone, mammals, reviews 4042
agouti
RNA
binding proteins
gene expression, mice 805
nucleotide sequences, mice 805
amplification
polymerase chain reaction
bovine diarrhoea virus 83
transgenics
pigs 47
rabbits 47
sheep 47
androgens
receptors
satellite DNA
nucleotide sequences, dogs 3453
restriction fragment length polymorphism, dogs 3453
axial
gene expression, mutations, cyclops, fishes 266
nucleotide sequences, fishes 266
Booroola, DNA fingerprinting, linkage, sheep 2502
Brachyury, DNA binding proteins, mice 251
butyryl-CoA dehydrogenase, detection, polymerase chain reaction, mice 920
c-AMP responsive element modulator, transcription, FSH, spermatogenesis, mice 779
callipyge, gene mapping, microsatellites, sheep 5248
cell elongation, nucleotide sequences, *Candida albicans* 2824
chromogranin, restriction fragment length polymorphism, pigs 2501
cloning
reviews 6336
techniques, mammals, cells 3665
colour, melanotropins, receptors, molecular genetics, mice 818
copy number, polymerase chain reaction 5942
cryptic, toxins, nucleotide sequences, *Bacillus thuringiensis* 3950
detection, Y chromosome, polymerase chain reaction, goats 5960
developmental stages
gene expression, *Trypanosoma brucei* 78
nucleotide sequences, *Trypanosoma brucei* 78
DNA, recombination, reviews 6445
DNA methylation, imprinting, mice 5717
DNA repair
gene expression, mice 190
nucleotide sequences, mice 190

Genes *cont.*
drug resistance, targeted mutagenesis, embryonic stem cells, liver diseases, mice 1748
embryonic development
gene expression, mice 2890
nucleotide sequences, mice 2890
excision repair
gene expression, transgenics, mice 2917
nucleotide sequences, mice 2917
exons, coat colour, agouti, regulation, mice 6348
extracellular signal regulated kinase, nucleotide sequences, mice 193
glycoproteins, pituitary, nucleotide sequences, Japanese quails 3935
H19, genomes, imprinting, DNA methylation, embryos, mice 775
heat shock, nucleotide sequences, *Erysipelothrix rhusiopathiae* 2381
high mobility group, nucleotide sequences, mice 839
Histoplasma capsulatum, resistance, mice 4430
homeo box
DNA binding proteins
cell lines 2397
gene expression, mice 3503
mice 2415
embryonic development
molecular genetics, vertebrates, reviews 1313
transgenics, mice, reviews 4051
enhancers, mice 2397
gene expression
binding proteins, retina, quails 5134
cell lines, mice 2402
DNA binding proteins, mice 5736
embryonic development, mice 823
embryos, fowls 699
heart, embryos, mice 254
mice 3514
muscles, cells, rats 2323
transgenics, mice 2981
gene mapping, mice 2323
mutations, brain, embryos, rats 2998
nomenclature, vertebrates 696
nucleotide sequences
embryos, fowls 699
fishes 3970
fowls 2990, 5167
heart, embryos, mice 254
mice 584, 1867, 2397-2398, 3514, 5026
muscles, cells, rats 2323
promoters, DNA binding proteins, fowls 5167
targeted mutagenesis
embryonic development, mice, reviews 4062
embryonic stem cells
embryonic development, mice 1742
mice 246
skeletal development, abnormalities, mice 1742
spleen, aplasia, mice 5003
transcription
mice 2398
silencers, mice 2397
transcription factors, mice 1867
housekeeping, promoters, transcription factors, cell lines 165
identification
endogenous viruses, polymerase chain reaction, fowls 6472
nisin, ligase chain reaction, *Lactococcus lactis* 5563
imprinting
cloning, techniques, mice 5147
insulin-like growth factor, transgenics, mice 1129
mammals, reviews 2395
mice 5258
nucleotide sequences, mice 5147
ribonucleoproteins, gene mapping, restriction fragment length polymorphism, mice 4676

Genes *cont.*
introgression, breeding programmes, fowls 2805
isolation techniques
DNA, cloning, muscles, pigs 6241
reviews 6336
keratin, restriction fragment length polymorphism, sheep 1410
lactoferrin, DNA, restriction fragment length polymorphism, cattle 4520
macular, chimaeras, mice 3687
mesenchyme fork head, nucleotide sequences, mice 1860
midkine, gene mapping, genetic polymorphism, mice 3614
milk proteins, dairy performance, linkage, cattle 6455
mini-exon, DNA probes, detection, *Endotrypanum schaudinni* 2576
morphogenesis
nucleotide sequences
embryonic development, fowls 5753
mice 5725
mucin, restriction fragment length polymorphism, pigs 3599
multiple, gene expression, quantitative analysis, polymerase chain reaction, techniques 3652
muscles, nucleotide sequences, pigs 6241
myogenic factor
nucleotide sequences, cattle 3425
restriction fragment length polymorphism, sheep 1412
neurogenesis, nucleotide sequences, rats 2336
Notch
gene expression, embryos, mice 1307
nucleotide sequences, mice 1307
number
DNA, CpG islands, mice 2555
targeted mutagenesis, techniques, mice 5005
octamer-binding protein, nucleotide sequences, pigs 2342
oestrogen-responsive, oestrogens, antagonists, reporter genes, cell lines 1453
osteoblast-specific factors, nucleotide sequences, mice 708
paired box, transcription, mice 2392
pancreatitis-associated protein, nucleotide sequences, mice 671
pili
gene mapping
chromosomes, *Escherichia coli* 56
plasmids, *Escherichia coli* 56
prion protein, restriction fragment length polymorphism, disease resistance, scrapie, sheep 902
prolactin, restriction fragment length polymorphism, cattle 3622
recombination
gene expression, mice 190
nucleotide sequences, mice 190
regulation, dietary fat, isolation techniques, mice 247
retina
development
promoters, nucleotide sequences, quails 2411
transcription, inhibition, quails 2411
retinal degeneration, restriction fragment length polymorphism, mice 4146
segment polarity, nucleotide sequences, fishes 5739
sex determination
identification, polymerase chain reaction, vertebrates 2986
molecular genetics, mammals, reviews 365
nucleotide sequences, sex reversal, mice 6338
polymerase chain reaction, embryos, sex diagnosis, mice 979
proto-oncogenes, transcription, promoters, rats 5142
RNA, splicing, DNA conformation, mice 767
signal peptides, nucleotide sequences, *Borrelia burgdorferi* 2826

Genes *cont.*
sporulation, nucleotide sequences, *Coxiella burnetii* 1151
structure
exons, introns, boundaries, techniques 3125
introns, exons, boundaries, techniques 3125
temperature sensitivity, transfection, germ cells, males, immortalization 6597
toxins, nomenclature, *Actinobacillus pleuropneumoniae* 65
transcription, antigens, embryos, cattle 5974
tumour suppression
DNA, binding site, nucleotide sequences, mice 842
nucleotide sequences, fishes 2326
targeted mutagenesis
embryonic stem cells, mice 3402
neoplasms, mice 3402
wingless
antisense RNA
gene transfer
gene expression, mice 1125
spermatogenesis, mice 1125
zinc finger
gene mapping, mice 4139
immunoglobulins, mitotic recombination, nucleotide sequences, mice 1235
nucleotide sequences
mice 646, 3424, 3985
testes, mice 4139
targeted mutagenesis, brain, development, mice 2293
transcription factors, nucleotide sequences, mice 5566
Genetic contamination
inbred strains
DNA fingerprinting
mice 1959
rats 1959
Genetic disorders, embryos, identification, polymerase chain reaction, restriction fragment length polymorphism, cattle 6496
Genetic distance
breeds, polymerase chain reaction, cattle 6461
strains, restriction fragment length polymorphism, mice 1418
Genetic engineering 1879
(*see also* Recombinant DNA)
ACC oxidase
Arabidopsis thaliana 334
Malus pumila 871
ACC synthase
Arabidopsis thaliana 334
Lycopersicon esculentum 2477, 5819
actin, *Oryza sativa* 354, 1885
adenosinetriphosphatase, *Arabidopsis thaliana* 4006
Agrobacterium
Hordeum vulgare 2776
Nicotiana tabacum 2776
Agrobacterium tumefaciens, Lycopersicon esculentum 2459
air pollution, *Nicotiana tabacum* 5538
albumins
Arabidopsis thaliana 4607
Bertholletia excelsa 2245
Pisum sativum 1363
plants 5544
alcohol dehydrogenase, *Zea mays* 5818
alfalfa mosaic alfamovirus, *Nicotiana tabacum* 2835
amino acid transporter, *Arabidopsis thaliana* 212
amino acids, crops 5516
α-amylase
Hordeum vulgare 865
reviews 5847
plants 5544
reviews 5847
animal welfare, veterinary medicine, reports, UK 5456
animals, books 4375
anthers, *Arabidopsis thaliana* 3776
anthocyanins
Petunia hybrida 4617
anthocyanins *cont.*
plants 5518
antibodies, plants 3341
antifreeze proteins, fishes 1613
antisense DNA
Lycopersicon esculentum 325, 1378, 2477, 2732, 3880
tomato golden mosaic bigeminivirus, *Nicotiana tabacum* 3355
viruses, *Nicotiana tabacum* 3355
apomixis, plants 4361
arcelin, *Phaseolus vulgaris* 103
aromatic-L-amino-acid decarboxylase, *Catharanthus roseus* 2357, 4639
aromatic compounds, plants 5540
ascorbate peroxidase, plants, reviews 5633
asparaginase, *Lupinus angustifolius* 6378
aspartate aminotransferase, *Lupinus angustifolius* 5131
aspartate-ammonia ligase, *Pisum sativum* 3544
auxins
Hordeum vulgare 2776
Nicotiana tabacum 2776
avirulence, *Fulvia fulva* 1707
Bacillus thuringiensis
crops 3369
Gossypium 3369
Gossypium hirsutum 3913
pests, plants 3354
bacteria, crops 3910
beet necrotic yellow vein furovirus, *Beta vulgaris,* sugarbeet 3796
Beta vulgaris 1654
betaine-aldehyde dehydrogenase, *Spinacia oleracea* 6419
biological control, plant diseases 539
biosafety 548, 1623, 1632
aquaculture, conferences 6738
Beta vulgaris 3797
books 6760
Brassica campestris 2183
Brassica napus 3801, 4363, 4365, 4911
Canada 1629
crops 3340, 3805, 3807
crustacea, conferences 6738
European Communities 1633, 3798
fishes, conferences 6738
foods
conferences 6738
USA 6727
France 2188
Japan 1629
Lycopersicon esculentum 2732, 5515, 6723
USA 6727
microorganisms 2193
plants 552, 1622, 2187, 2728, 3799, 3806, 4361, 4909
books 1646
reviews 6111
South America 1625
products, analytical methods, regulations, opinions 5452
reports 3817
Rhizobium 551
Scandinavia 1629
shellfish, conferences 6738
Solanum tuberosum 4363
UK 1088, 1629, 3798
USA 1629, 1633, 6731
books 2745, 3135, 3292, 5464, 6744, 6749
caffeic acid *O*-methyltransferase, *Medicago sativa* 4635
carbohydrates, *Solanum tuberosum* 3351
carbonate dehydratase, *Nicotiana tabacum* 6404
chaperonins
Arabidopsis thaliana 3579
Escherichia coli 347
chitinase
Cucumis sativus 2464
Nicotiana tabacum 1899, 2464
Phaseolus vulgaris 91
co-suppression, *Petunia hybrida* 2427
coat proteins
tobacco etch potyvirus, *Nicotiana tabacum* 5533
coat proteins *cont.*
tomato bushy stunt tombusvirus 126
viruses, crops 3910
cold resistance, *Arabidopsis thaliana* 3790
colour
ornamental herbaceous plants 6169
Petunia hybrida 600, 4617
plants 600, 5518
Rosa 6169
companies, USA 4382
conferences 3823
β-conglycinin, *Glycine max* 3552, 5793
4-coumarate-CoA ligase, *Petroselinum crispum* 298
cucumber mosaic cucumovirus, *Phytolacca americana* 2279
Cucumis sativus 2836
cysteine proteinases, *Actinidia deliciosa* 1353
cysteine synthase, *Triticum aestivum* 2179
cytochrome P-450, *Catharanthus roseus* 5116
cytoplasmic male sterility 1597
development
Hordeum vulgare 346
Petunia hybrida 342
dihydrokaempferol 4-reductase, *Zea mays* 5832
disease resistance
immunology, reviews, livestock 5351
plants 3286
reviews 1166
DNA binding proteins, *Zea mays* 292
drought resistance, plants 542
enzymes, plants 3341
epoxide hydrolase
Arabidopsis thaliana 6279
Solanum tuberosum 6313
erucic acid, *Brassica napus,* rape 3350
ethics 3303
animals
reviews 3818
veterinary medicine, reports, UK 5456
foods 3816
UK, reports 3820
livestock, UK, reports 3820
ethylene
Arabidopsis thaliana 334
Lycopersicon esculentum 5819
extensin
Nicotiana plumbaginifolia 2265
Nicotiana tabacum 1819
fatty acids
Brassica napus 3346
rape 3350
fatty oil plants 4420
oilseed plants, conferences 4419
plants 5545
feeds 2167
fertility, *Arabidopsis thaliana* 3776
flavonoid 3′,5′-hydroxylase, *Petunia hybrida* 4617
flavonoids
Petunia hybrida 600
plants 600
floral binding protein, *Petunia hybrida* 2427
flowers
Arabidopsis thaliana 345
ornamental herbaceous plants 6169
Petunia hybrida 342
plants 3574, 5518
Rosa 6169
foods
biosafety, ethics, reviews 5457
ethics 3284
labelling, UK 5458
legislation
European Communities 5458
reviews, UK 5457
public relations 3284
forest trees, reviews 3841
β-fructofuranosidase, *Daucus carota* 329
fruit crops, coat proteins, viruses 3899
fruits, *Lycopersicon esculentum* 2187
fungi 3915
1,4-α-glucan branching enzyme, *Zea mays* 6382

β-glucanase
Nicotiana tomentosiformis 5534
Nicotiana plumbaginifolia 4073
glucose-1-phosphate adenylyltransferase, *Zea mays* 3034
glufosinate, *Brassica napus* 3801
glutamate-ammonia ligase, *Pisum sativum* 3497
glutathione reductase, plants, reviews 5633
glutelins, *Oryza sativa* 6444
glyceraldehyde-3-phosphate dehydrogenase, *Arabidopsis thaliana* 6399
glycerol-3-phosphate acyltransferase, *Pisum sativum* 5205
Glycine max 284
companies 3300
Gossypium hirsutum 3343
companies 3300
government research, commercialization 3271
growth, sheep, reviews 3259
heat shock proteins
Arabidopsis thaliana 5849
genetically engineered microorganisms 5849
yeasts 5849
helianthinin, *Helianthus annuus* 5834
herbicide resistance
Beta vulgaris 3797
Brassica napus 4365, 4911
plants 552, 4361
herbicides, *Nicotiana tabacum* 5538
histones, *Triticum aestivum* 1368
homeotic genes
Arabidopsis thaliana 345
Petunia hybrida 2427
plants 3574
Zea mays 340
hordothionins, *Hordeum vulgare* 3361
horticulture 3301
Humulus lupulus 6022
hydroxyproline-rich proteins 5801
hyoscyamine (6*S*)-dioxygenase, *Hyoscyamus niger* 3389, 6276
insects
crops 3369
Gossypium 2187, 3369
Gossypium hirsutum 3913
Lycopersicon esculentum 2187
plants 119, 2844
intellectual property rights, plants 2186
isocitrate lyase
Brassica napus 4655
Ricinus communis 3562
isopentenyl transferase, *Lycopersicon esculentum* 2459
lactic acid bacteria, reviews 5561
lactoferrin
infant formulae, milk 3814
transgenics, cattle, reviews 5499
leaves, *Zea mays* 340
lectins
Hordeum vulgare 6374
Pisum sativum 305, 322
legal rights 3838
leghaemoglobin
Glycine max 330
Sesbania rostrata 1383, 4651
legislation 4364, 6733
European Communities 1633, 2733, 3798, 6108
France 2733
UK 3798
USA 1633
light
Arabidopsis thaliana 6399
Glycine max 4116
Spinacia oleracea 4623
lipids, plants 2755
livestock, reviews 1657
lysozyme
infant formulae, milk 3814
plants, reviews 1166
lytic peptides 2845
malate synthase, *Brassica napus* 4655
male sterility, plants 4361
materials, books 4373
microorganisms 1628
milk proteins, transgenics, livestock, reviews 4975
monosaccharide-H^+ symporter, *Arabidopsis thaliana* 6428
naringenin-chalcone synthase, *Dendranthema grandiflora* 2243
Nematoda, plants, reviews 2268
neomycin phosphotransferase
biosafety, plants 1087
crops 3807
pathogenesis-related proteins, plants 1087
plants 3806
nutritive value
crops 5516
grain legumes 3778
oils, plants 5545
oleosins, *Arabidopsis thaliana* 5835
Oryza sativa 301
oryzacystatin, *Oryza sativa* 4079
paraquat, *Nicotiana tabacum* 5538
patents 3279, 3281
Developing Countries 4360
Gossypium 550
pathogenesis-related proteins 3915
Hordeum vulgare 3361
Nicotiana tabacum 2443
Nicotiana tomentosiformis 5534
pathogens 2845
plants 114
reviews 602
pectinesterase, *Lycopersicon esculentum* 325, 1378
Peronospora tabacina, Nicotiana tabacum 2851
peroxidases
Amoracia rusticana 5812
Arabidopsis thaliana 3022
Armoracia rusticana 3028
pest resistance, plants 1171, 3286
Petunia 4602
pH, *Petunia hybrida* 4617
pharmaceutical proteins
plants 5544
transgenics, cattle, reviews 5499
Phaseolus vulgaris 2467
phenylalanine ammonia-lyase, *Arabidopsis thaliana* 6183
phosphatidylcholine desaturase, *Arabidopsis thaliana* 3491
photosynthesis, *Spinacia oleracea* 4623
phytoalexins, *Vitis vinifera* 3364
phytochrome
Arabidopsis thaliana 3042
Avena 6362
phytoene desaturase, *Erwinia uredovora* 1729
Phytophthora nicotianae, Nicotiana tabacum 2851
pigmentation, animals, reviews 4922
plant water relations, *Arabidopsis thaliana* 6275
plants 6, 324, 548, 1101, 1138, 1456, 1624, 6184
nutrition, reviews 4908
safety, reviews 4908
plasma membranes, *Arabidopsis thaliana* 6275
plasmids, *Petroselinum crispum* 22
plastocyanins, *Spinacia oleracea* 4084
pollen
Arabidopsis thaliana 3038
Brassica napus 4655
Lycopersicon esculentum 20, 4610
polygalacturonase, *Lycopersicon esculentum* 325, 1378, 2732, 3880
population genetics 1623
Populus, reviews 3841
potato X potexvirus 110
Phytolacca americana 2279
potato Y potyvirus, *Phytolacca americana* 2279
prolamins, *Oryza sativa* 289, 349
proline, plants 542
proteinase inhibitors, *Solanum tuberosum* 51
proteins
Helianthus annuus 4976
plants 3341
production, cell lines, mammals, reviews 6221
Pseudomonas solanacearum, Arabidopsis thaliana 6183
Pseudomonas syringae pv. *tomato, Lycopersicon esculentum* 2852
public opinion
books 3830
foods 3816
Lycopersicon esculentum 3276
plants 3341, 3799, 3811
pyruvate kinase, plants 3564
pyruvate,orthophosphate dikinase, *Zea mays* 5829
quality
Gossypium hirsutum 3913
Hordeum vulgare, reviews 4421
Triticum aestivum, reviews 4421
recombinases, eukaryotes, reviews 5333
regulations
Canada 1620, 1629
crops 3340
foods, USA 6727
Japan 1629
Lycopersicon esculentum, USA 6727
plants 1620, 2187
South America 1625
Scandinavia 1629
UK 1088, 1629
USA 1629, 6731
release 1623, 1632, 4364
bacteria 1626
Beta vulgaris 3797
Brassica napus 4365
Canada 1620
crops 3340
European Communities 1633, 2733, 3798
foods, USA 6727
France 2188, 2733
Lycopersicon esculentum 2732, 5515
USA 6727
microorganisms 2193
plants 1620, 1622, 3811
reviews 6111
Rhizobium 551
UK 1088, 3798
USA 1633, 6731
viruses 1626
reproduction, *Coprinus cinereus* 2434
resveratrol, *Vitis vinifera* 3364
Rhizobium
companies 3300
USA 4382
Rhizoctonia solani, Nicotiana tabacum 2851
ribosome inactivating proteins, *Hordeum vulgare* 3906
ribosomes, *Solanum tuberosum* 3478
ribulose-bisphosphate carboxylase
Lycopersicon esculentum 858
Oryza sativa 282
Petunia hybrida 6553
plants 3564
reviews 1380
ribulose-bisphosphate carboxylase activase, *Spinacia oleracea* 3565
ripening, *Lycopersicon esculentum* 2187, 2477, 2732, 3880, 5515, 5819
rumen microorganisms, fibre, digestion 2166
Saccharum officinarum 3310
safety, foods 3816
salinity, plants 4355
secondary metabolites, plants, reviews 609, 4472
seeds
Arabidopsis thaliana 5835
Glycine max 3552
Pisum sativum 322
self incompatibility, *Brassica napus* 533
small nuclear RNA, *Arabidopsis thaliana* 3017
Solanum tuberosum
public opinion, Netherlands 2726
reviews 5514
source sink relations
Arabidopsis thaliana 5233
Nicotiana tabacum 5233
Solanum tuberosum 5233
stearoyl-CoA desaturase, *Arabidopsis thaliana* 6280

stress
Lemna gibba 6437
plants, reviews 5633
sucrose-phosphate synthase, *Spinacia oleracea* 4020
sucrose synthase, *Arabidopsis thaliana* 317
superoxide dismutase
Nicotiana plumbaginifolia 4357
Nicotiana tabacum 5538
Pisum sativum 3789
techniques 6744, 6749
books 2569, 2744, 6766
Petroselinum crispum 22
thioneins, *Hordeum vulgare* 5637
tobacco mosaic tobamovirus
coat proteins, *Nicotiana tabacum* 2834
Nicotiana tabacum 2835
transposable elements
Petunia hybrida 6386
Zea mays 1242, 1996, 2447, 2458, 2487, 2822, 3020, 4995-4996, 4998, 6386
trihydroxystilbene synthase, *Vitis vinifera* 3364
Triticum aestivum 4608, 5297
trypsin inhibitors, *Hordeum vulgare* 1883
tubulin, *Glycine max* 4116
ubiquitin
Solanum tuberosum 3478
Zea mays 1118, 1885
Verticillium, Pisum sativum 4982
viruses, plants 4626
Zea mays 287, 3569, 3860
reviews 2777
zein, *Zea mays* 343, 2460

Genetic gain
embryo transfer
breeding programmes
cattle 2598
Developing Countries 2597

Genetic improvement
artificial insemination, cattle, reviews 3231
breeding programmes
livestock, economics 3270
transgenics, livestock, reviews 2802
data banks, livestock 1662
growth, molecular genetics, pigs 3879
livestock 4
marker genes, quantitative traits, cattle 1960

Genetic markers
anther culture, *Zea mays* 521
avenin, *Avena sativa* 6177
bean common mosaic potyvirus, *Phaseolus vulgaris* 6181
breeders' rights, plants 3815
Cercospora zeae-maydis, Zea mays 380
cereals 1989
forest trees 4705
gene mapping, *Lens culinaris* 5312
genomes, *Musa* 5283
height, *Zea mays* 5292
insect resistance
Solanum berthaultii 4981
Solanum tuberosum 4981
isoenzymes
Lycopersicon esculentum 4899
Lycopersicon pennellii 4899
Lycopersicon esculentum 2011
Lycopersicon pennellii 2011
morphology
Zea mays 1978
Zea mexicana 1978
Zea parviglumis 1978
Nilaparvata lugens
Oryza australiensis 5284
Oryza sativa 5284
Ostrinia nubilalis, Zea mays 5292
patents, plants 3815
plants 1427
Pseudomonas solanacearum, Lycopersicon esculentum 4438
Puccinia coronata, Avena sativa 6177, 6193
Puccinia graminis, Avena sativa 6177
Puccinia recondita, Triticum aestivum 4989
quality, *Oryza sativa* 4699

Genetic markers *cont.*
quantitative traits, plants 1988, 6555
regenerative ability, *Zea mays* 521
restriction fragment length polymorphism, *Fagus sylvatica* 4732
salinity
Lycopersicon esculentum 4899
Lycopersicon pennellii 4899
secalins
Secale cereale 4722
triticale 4722
Triticum aestivum 4722
self incompatibility, *Lycopersicon peruvianum* 1428
techniques, plants, reviews 4399

Genetic polymorphism
α-adrenergic receptors, gene mapping, mice 3607
casein, cattle 1206
detection, polymerase chain reaction, techniques 947
DNA, polymerase chain reaction, electrophoresis, ethidium bromide 940
gene mapping
genes, midkine, mice 3614
heparin-binding neurotrophic factor, mice 3614
glucose, transporters, gene mapping, rats 3592
lactalbumin, breed differences, cattle 643
minisatellites, fishes 639
pancreatic elastase II, gene mapping, rats 3592
prion protein, scrapie, polymerase chain reaction, sheep 901
satellite DNA
dogs 895
gene mapping, mice 3607, 3619

Genetic relationships
mitochondrial genetics, *Pyricularia oryzae* 1162
molecular genetics
Ceratocystis ulmi 100
Ophiostoma novo-ulmi 100
random amplified polymorphic DNA, *Rhabdocline parkeri, Pseudotsuga menziesii* 438
restriction fragment length polymorphism
Ceratocystis ulmi 379
Ophiostoma novo-ulmi 379
ribosomal DNA, *Pyricularia oryzae* 1162
RNA
Hymenoscyphus ericae 166
Scytalidium vaccinii 166

Genetic resources
aquaculture, biotechnology, economics, Developing Countries 2725
biotechnology 1653, 3295
Costa Rica 1098
Developing Countries 3
conservation
aquaculture 4379
livestock 4380
data banks, livestock 1662
in vitro culture, plants 4250
patents, Developing Countries 4360

Genetic transformation (*see also* Transgenics)
6β-hydroxyhyoscyamine, *Atropa belladonna* 3389
ACC deaminase, *Lycopersicon esculentum* 855
ACC oxidase, *Lycopersicon esculentum* 2472
ACC synthase, *Lycopersicon esculentum* 2477
actin
Agrostis stolonifera 354
Oryza sativa 51
acyl-acyl-carrier-protein desaturase, *Nicotiana tabacum* 6311
adenosinetriphosphatase, *Nicotiana tabacum* 4006
adenosylmethionine decarboxylase, *Nicotiana tabacum* 4636
Agrobacterium
Actinidia deliciosa 2780
Hyoscyamus muticus 1191
Nicotiana tabacum 1114
plants 2782
books 1635

Genetic transformation *cont.*
Agrobacterium rhizogenes
Ajuga reptans 5546
Ambrosia trifida 4466
Arabidopsis thaliana 2441, 4389
Armoracia rusticana 1023, 4298, 4440
Artemisia absinthium 4463
Atropa belladonna 3389
Catharanthus roseus 3263
Coreopsis tinctoria 4457
Datura 4489, 6204
Datura candida 4452
Datura stramonium 147, 4456, 4488
Daucus carota 6625
Erica darleyensis 6656
Eucalyptus 4396
Fagopyrum esculentum 3398
Glycine max 1107
Hyoscyamus albus 2283, 3393
Hyoscyamus muticus 4993
Ipomoea batatas 2786
Larix laricina 1013
Linum flavum 1738
Lithospermum erythrorhizon 3395
Malus pumila 6028
Nicotiana benthamiana 4986
Nicotiana occidentalis 4986
Nicotiana tabacum 19, 506, 2784, 3311, 4397, 5857, 6137, 6353
Olea europaea 3314
Panax pseudoginseng 1736, 4443
Papaver somniferum 3399
Pelargonium 3392
Pinus banksiana 1013
Pinus monticola 1013
Pisum sativum 336, 5486
plants 3014
Rauvolfia serpentina 3386
Ruta graveolens 4446
Salvia miltiorrhiza 3390
Solanum tuberosum 1673
Tagetes erecta 2694
Vitis rupestris 4986
Vitis vinifera 4986
Agrobacterium tumefaciens 4990
Amelanchier laevis 1675
Arabidopsis thaliana 1674, 2556, 3848, 4941, 4943
Beta vulgaris 572
Boehmeria nivea 571
Brassica napus 2213
Brassica oleracea 2213, 4942
Chamaemelum nobile 467
Cicer arietinum 1109, 6144
Citrullus lanatus 4944
Cucumis melo 2791
Datura fastuosa 3315
Dendranthema grandiflora 4949
Glycine max 1107, 6148
Helianthus annuus 2788
Helianthus tuberosus 2788
Hordeum vulgare 1676
Lactuca sativa 575
Linum usitatissimum 1671, 3861, 3865
Lolium perenne 1676
Lycopersicon 6185
Lycopersicon esculentum 574
Malus pumila 15, 4953, 6135
Medicago sativa 4946
Mentha piperita 3396
Nicotiana plumbaginifolia 1183
Nicotiana tabacum 294, 1119, 2213, 2789, 3313, 3315, 6134, 6264, 6388
Oryza sativa 1676, 6143
Petunia hybrida 6138
Pisum sativum 4395, 5486
plants 1105-1106, 1111-1112, 1116-1117, 5530
Populus canescens 5488
Populus nigra 3853
Salix viminalis 3575
Secale cereale 6195
Sinapis alba 2778
Solanum sodomeum 2779
Solanum tuberosum 3859, 4393, 6264
Sorghum bicolor 1698
Stylosanthes guianensis 4951
Taxus baccata 3388

Genetic transformation *cont.*
Agrobacterium tumefaciens cont.
Taxus brevifolia 3388
Theobroma cacao 6151
Trifolium repens 4955
Trifolium subterraneum 6146
Triticum aestivum 6195
Vaccinium corymbosum 2652
Zea mays 1108, 2789, 6195
Agrostis alba 3847
Agrotis ipsilon, Nicotiana tabacum 2838
albumins
Nicotiana tabacum 1363, 2245
Pisum sativum 2245
Vicia faba 2245
Vicia narbonensis 2245
alcohol dehydrogenase
Nicotiana tabacum 1290
Oryza sativa 5818
Zea mays 6366
alfalfa mosaic alfamovirus
Nicotiana tabacum 3018
Picea glauca 3018
alkaloids
Atropa belladonna 3389
Hyoscyamus albus 2283
Allium cepa 3569
Amyelois transitella, Juglans regia 4983
anthers, *Brassica napus* 3776
anthocyanins
Lycopersicon esculentum 6377
Zea mays 4625, 6150
antibiotics, *Malus pumila* 4948
antibodies
artichoke mottled crinkle tombusvirus, *Nicotiana benthamiana* 2853
Nicotiana tabacum 1185, 1731
plants 1185
antifreeze proteins, *Nicotiana tabacum* 1613
antisense DNA
bean yellow mosaic potyvirus, *Nicotiana benthamiana* 2259
Brassica napus 3776
Dendranthema grandiflora 4417
Lotus corniculatus 5200
Lycopersicon esculentum 1328, 1378, 1879, 2266, 2477, 4104, 6373
Nicotiana tabacum 1119, 1340, 1357, 2179, 3563, 3576, 4092, 4102, 4635, 5213
reviews 6427
Petunia inflata 3773
Solanum tuberosum 355, 2372, 3560, 5209
tobacco mosaic tobamovirus, *Nicotiana tabacum* 2842
apoaequorin, *Nicotiana plumbaginifolia* 1348
Apocheima cinerarius, Populus nigra 3378
Arabidopsis thaliana 989
Arachis hypogaea 2787, 6139
arcelin, *Nicotiana tabacum* 103
aromatic-L-amino-acid decarboxylase, *Nicotiana tabacum* 2357, 4639
arylphorin, *Solanum tuberosum* 6168
ascorbate oxidase, *Nicotiana tabacum* 6415
asparaginase, *Nicotiana tabacum* 6378
aspartate-ammonia ligase, *Nicotiana tabacum* 3544
aspartate kinase, *Nicotiana tabacum* 1920
auxins 4990
Nicotiana tabacum 5222
plants 3014
Bacillus thuringiensis
Chilo suppressalis, Oryza sativa 603
Cnaphalocrocis medinalis, Oryza sativa 603
Juglans regia 4983
Nicotiana tabacum 103
Plutella xylostella, Brassica oleracea 88
Populus alba 3858
Populus grandidentata 3858
Solanum tuberosum 127
Zea mays 3299
betaine-aldehyde dehydrogenase, *Nicotiana tabacum* 6419

Genetic transformation *cont.*
bilanafos, *Triticum aestivum* 1118
biological control, plant diseases 537
biosafety
bacteria 1627
Brassica napus 1090
cowpea chlorotic mottle bromovirus, *Nicotiana benthamiana* 3363
crops 1621
Nicotiana bigelovii 2267
plants 3278, 4910, 6734
plum pox potyvirus, *Nicotiana benthamiana* 116
viruses, plants 606, 3804, 6728
zucchini yellow mosaic potyvirus, *Nicotiana benthamiana* 116
Botrytis cinerea, Nicotiana tabacum 3364
Brassica napus 3571
bromoxynil
Gossypium 139
Nicotiana tabacum 3917
cadmium, *Nicotiana tabacum* 3347, 4103
caffeic acid *O*-methyltransferase, *Nicotiana tabacum* 4635
carbohydrates, *Solanum tuberosum* 1673
Carya illinoinensis 573
cauliflower mosaic caulimovirus
Nicotiana bigelovii 2267
Nicotiana tabacum 5836
cecropin
Nicotiana tabacum 3900
Solanum tuberosum 108, 2260, 2269, 6168
cell division
Arabidopsis thaliana 5656
Nicotiana tabacum 1325
Oryza sativa 1368
Cercospora nicotianae, Nicotiana sylvestris 2848
chaperonins, *Nicotiana tabacum* 347, 3579
chitinase
Brassica napus 91
Nicotiana plumbaginifolia 2464
Nicotiana sylvestris 1899, 2836, 2848
Nicotiana tabacum 1168, 3893, 3906, 3908, 4432, 6407
Rhizobium meliloti 172
chlorophyll *a/b* binding protein, *Petunia hybrida* 4071
chloroplasts, plants 2449
chlorsulfuron, *Nicotiana tabacum* 138
chromatin, *Nicotiana tabacum* 4630
chymotrypsin inhibitors, *Nicotiana tabacum* 4434
coat proteins
bean yellow mosaic potyvirus, *Nicotiana benthamiana* 2259
cauliflower mosaic caulimovirus, *Brassica napus* 1714
cowpea chlorotic mottle bromovirus, *Nicotiana benthamiana* 3363
grapevine fanleaf nepovirus, *Nicotiana benthamiana* 4980
maize chlorotic mottle machlovirus, *Zea mays* 3370
maize dwarf mosaic potyvirus, *Zea mays* 3370
plum pox potyvirus
Nicotiana 1725
Nicotiana benthamiana 116, 2846
Nicotiana clevelandii 2846
Prunus armeniaca 2846
potato leaf roll luteovirus, *Nicotiana tabacum* 2833
potato Y potyvirus
Nicotiana 1725
Nicotiana tabacum 102
sugarcane mosaic potyvirus, *Saccharum officinarum* 3375
tobacco etch potyvirus, *Nicotiana tabacum* 2263
tobacco mosaic tobamovirus, *Nicotiana tabacum* 124
tomato yellow leaf curl bigeminivirus
Lycopersicon esculentum 6188
Lycopersicon pennellii 6188
viruses
plants 90, 606, 3376, 6728
Saccharum officinarum 3358
Vitis vinifera 1708

Genetic transformation *cont.*
coat proteins *cont.*
zucchini yellow mosaic potyvirus
Cucumis melo 101
Nicotiana benthamiana 116
Nicotiana tabacum 101
Cochliobolus carbonum, Zea mays 4987
α-coixin, *Nicotiana tabacum* 4117
cold resistance
Medicago sativa 4357
Nicotiana tabacum 1613, 6280
colour, *Dendranthema grandiflora* 4417
β-conglycinin
Arabidopsis thaliana 5226
Nicotiana tabacum 3552, 5793
4-coumarate-CoA ligase, *Nicotiana tabacum* 298
cucumber mosaic cucumovirus
Nicotiana benthamiana 2279
Nicotiana tabacum 2279
replicase
Nicotiana benthamiana 2855
Nicotiana tabacum 2855
Solanum tuberosum 2279
Cydia pomonella, Juglans regia 4983
Cydonia × *Pyrus* 1668
cymbidium ringspot tombusvirus, *Nicotiana benthamiana* 2850
cysteine proteinases, *Petunia hybrida* 1353
cysteine synthase, *Nicotiana tabacum* 2179
cytochrome P-450
Arabidopsis thaliana 5116
Nicotiana tabacum 5116, 6201
cytokinins 4990
Nicotiana plumbaginifolia 1183
Nicotiana tabacum 287, 6134
Populus canescens 5488
cytosine deaminase, *Arabidopsis thaliana* 1681
databases, plants 6262
Daucus carota 2775
Dendranthema 3025
development
Arabidopsis thaliana 860, 5212
Nicotiana tabacum 346, 631, 1325, 6349
differentiation, *Zea mays* 4625
dihydrodipicolinate synthase, *Nicotiana tabacum* 1920
dihydrokaempferol 4-reductase
Hordeum vulgare 2465
Lotus corniculatus 5200
Lycopersicon esculentum 6377
Petunia hybrida 5832
Hordeum vulgare 1930
dihydroorotate dehydrogenase, *Agrocybe aegerita* 3862
disease resistance
crops 2839
cucumber mosaic cucumovirus, *Nicotiana* 50
Nicotiana tabacum 1159, 3361
potato Y potyvirus, *Nicotiana tabacum* 48
tomato aspermy cucumovirus, *Nicotiana* 50
diseases, *Nicotiana tabacum* 3905
DNA binding proteins
Lotus corniculatus 5820
Nicotiana tabacum 4117, 5833
Zea mays 292
DNA methylation 1386
Petunia hybrida 5225
Triticum aestivum 3852
elongation factors, *Arabidopsis thaliana* 4601
enzyme inhibitors, *Nicotiana tabacum* 2838
Erwinia carotovora 1167
Solanum tuberosum 2260, 3897
Erysiphe graminis, Hordeum vulgare 1176
Escherichia coli
Nicotiana tabacum 2789
Zea mays 2789
fertility, *Brassica napus* 3776
flavonols, *Petunia hybrida* 6443
flowering, *Nicotiana tabacum* 6349

Genetic transformation *cont.*
flowers
Arabidopsis thaliana 5212
Dendranthema grandiflora 4417
Lycopersicon esculentum 4018, 4104
Nicotiana tabacum 1325, 3482
Triticum aestivum 6147
forest trees, reviews 3841
fructans
Nicotiana tabacum 4418
Solanum tuberosum 5517
β-fructofuranosidase
Nicotiana tabacum 329
Solanum tuberosum, reviews 6171
fructosyltransferase, *Solanum tuberosum* 5517
fruits, *Lycopersicon esculentum*, reviews 5795
Fulvia fulva 4712
Lycopersicon esculentum 3914-3915
fungi, *Nicotiana sylvestris* 2836
Fusarium oxysporum 4990
Fusarium solani, *Nicotiana tabacum* 3908
gametocides, *Nicotiana tabacum* 6201
gene expression, superoxide dismutase, *Nicotiana plumbaginifolia* 4616
gibberellic acid, *Nicotiana tabacum* 3311
globulins, *Nicotiana tabacum* 315
β-glucanase
Nicotiana tabacum 5534
Hordeum vulgare 1917, 2644
Nicotiana sylvestris 2848
Nicotiana tabacum 3040, 3908, 4073
glucose-1-phosphate adenylyltransferase
Nicotiana tabacum 5668
plants, reviews 6413
Solanum tuberosum 5668
Zea mays 3034
β-glucuronidase
Nicotiana tabacum 5241
Beta vulgaris 4398
Nicotiana 6578
Nicotiana tabacum 1119, 6314
Petunia hybrida 6152
Rubus 6578
glufosinate
Brassica napus 1090
Daucus carota 6200
Medicago sativa 6200
Nicotiana tabacum 6200
Triticum aestivum 3316
Zea mays 1678
glutamate kinase, *Nicotiana tabacum* 3864
glutathione reductase, *Nicotiana tabacum* 5537
glutelins
Nicotiana tabacum 6444
Oryza sativa 353
glyceraldehyde-3-phosphate dehydrogenase, *Nicotiana tabacum* 6399
glycine decarboxylase, *Nicotiana tabacum* 5845
Glycine max 6149
glycinin, *Nicotiana tabacum* 2479
glycogen (starch) synthase, *Solanum tuberosum* 6170
Glycyrrhiza glabra 284
grain legumes 560
grapevine chrome mosaic nepovirus, coat proteins, *Nicotiana tabacum* 2837
growth regulators, *Nicotiana tabacum* 4114
haploidy, *Zea mays* 2790
heat shock proteins
Arabidopsis thaliana 4904, 6558
Nicotiana plumbaginifolia 5803
helianthinin, *Nicotiana tabacum* 5834
herbicide resistance
Brassica napus 1090
Daucus carota 6200
Medicago sativa 6200
Nicotiana tabacum 3916, 5537, 6200
plants 3278
herbicides, *Gossypium* 139
herpes simplex virus
Arabidopsis thaliana 4391
Nicotiana tabacum 3578

Genetic transformation *cont.*
Heterodera schachtii
Arabidopsis thaliana 1889
Nicotiana tabacum 1889
Hevea brasiliensis 5480
histones
Helianthus annuus 5228
Oryza sativa 1368
homeo box, *Arabidopsis thaliana* 860
homeotic genes
Lycopersicon esculentum 4018, 4104
Nicotiana tabacum 340, 3482
hordein, *Hordeum vulgare* 319
Hordeum vulgare 301, 3348, 3863
hordothionins, *Nicotiana tabacum* 3361
hydrogen sulfide, *Nicotiana tabacum* 2179
hydroxymethylglutaryl-CoA reductase, *Nicotiana tabacum* 1878
hydroxyproline-rich proteins, *Zea mays* 5801
hyoscyamine (6*S*)-dioxygenase
Atropa belladonna 6276
Hyoscyamus niger 6276
Nicotiana tabacum 6276
hyoscyamine (*S*)-dioxygenase, *Atropa belladonna* 3389
inflorescences, *Triticum aestivum* 6147
injuries, *Oryza sativa* 51
insects
Fragaria ananassa 2244
Malus pumila 2244
Nicotiana tabacum 4434
interferon, *Oryza sativa* 3866
interspecific hybridization
Helianthus annuus 2788
Helianthus tuberosus 2788
Lycopersicon esculentum 5484
Lycopersicon pennellii 5484
ioxynil, *Nicotiana tabacum* 3917
isocitrate lyase, *Nicotiana tabacum* 4655
isopentenyl transferase
Nicotiana plumbaginifolia 1183, 5803
Nicotiana tabacum 287
Salix viminalis 3575
kanamycin 5954
Zea mays 5483
leaves, *Nicotiana tabacum* 340, 1325
leghaemoglobin, *Lotus corniculatus* 330, 339, 1383, 4651, 5820
legislation, *Brassica napus* 4366
legumin, *Nicotiana tabacum* 315
levansucrase
Nicotiana tabacum 4418
Solanum tuberosum 5517
light
Arabidopsis thaliana 1908
Nicotiana plumbaginifolia 4623
Nicotiana tabacum 1908, 4116, 4623
lignin, *Nicotiana tabacum* 4635
lipid transfer proteins, *Arabidopsis thaliana* 6431
lipids, plants, reviews 6376
Lolium perenne 301, 3312
Lycopersicon 17
Lycopersicon esculentum 4018
Lymantria dispar, *Populus nigra* 3378
lysine decarboxylase, *Nicotiana tabacum* 1192
lysozyme 1167
Nicotiana tabacum 4630
Solanum tuberosum 2269, 3897
Magnaporthe grisea, *Oryza sativa* 4435
maize dwarf mosaic potyvirus, *Zea mays* 3299
maize streak monogeminivirus, *Zea mays* 3131
malate synthase, *Nicotiana tabacum* 4655
male sterility
Brassica napus 4335
fatty oil plants 2156
Nicotiana tabacum 2156
Malus pumila 1668
Manduca sexta
Lycopersicon esculentum 2266
Nicotiana plumbaginifolia 1183
Solanum tuberosum 127
mannopine synthase, *Nicotiana tabacum* 294, 869
mating types
Ustilago segetum 1161

Genetic transformation *cont.*
mating types *cont.*
Ustilago zeae 1161
matrix associated regions, *Nicotiana tabacum* 4630
medicinal plants 4994
Meloidogyne incognita
Arabidopsis thaliana 1889
Nicotiana tabacum 1889
metallothionein, *Nicotiana tabacum* 3347, 4103, 6384
methyl jasmonate, *Nicotiana tabacum* 1900
N-methylputrescine oxidase, *Nicotiana tabacum* 4097
miscanthus streak monogeminivirus, *Oryza sativa* 4991
movement proteins
squash leaf curl bigeminivirus, *Nicotiana benthamiana* 1723
tobacco mosaic tobamovirus, *Nicotiana tabacum* 1717
multiple genes, plants, reviews 6370
Musa 4111
Myzus persicae, *Nicotiana plumbaginifolia* 1183
napin, *Nicotiana tabacum* 1921
naringenin-chalcone synthase
Dendranthema grandiflora 4417
Petroselinum crispum 4642, 6410
neomycin phosphotransferase
Nicotiana tabacum 2211, 6314
Petunia hybrida 6152
Nicotiana tabacum 49, 3349, 3558, 3562, 4495, 4602, 5854, 6417
nitrate, plants, reviews 6389
nitrate reductase
Nicotiana plumbaginifolia 3551, 4081
Nicotiana tabacum 5775
nitrile herbicides, *Nicotiana tabacum* 3917
nitrite reductase
Nicotiana tabacum 331, 2463, 3576
plants, reviews 6389
nitrogen, *Hordeum vulgare* 319
nitrogen fixation, *Lotus corniculatus* 4651
nodulins
Lotus corniculatus 1910
Medicago sativa 6393
Nicotiana tabacum 1910
nopaline synthase, *Nicotiana tabacum* 3559
norflurazon, *Nicotiana tabacum* 1729
nutritive value
Lupinus 4976
Medicago sativa 4976
Pisum sativum 4976
Trifolium subterraneum 4976
oleosins, *Brassica napus* 5835
2′-5′ oligoadenylate synthetase, *Solanum tuberosum* 129
opines, *Hyoscyamus albus* 2283
ornithine carbamoyltransferase
Nicotiana tabacum 1170
Phaseolus vulgaris 2843
Oryza sativa 301, 463, 2792, 3851, 4115, 4950
reviews 6133
Ostrinia nubilalis
Solanum tuberosum 127
Zea mays 3299
oxidative stress
Nicotiana plumbaginifolia 3788
Nicotiana tabacum 3789
ozone, *Nicotiana plumbaginifolia* 3788
palmitoyl-acyl carrier protein desaturase, *Nicotiana tabacum* 4603
patents, *Gossypium hirsutum* 3810
pathogenesis-related proteins
Lactuca sativa 2443
Lycopersicon esculentum 3915
Nicotiana tabacum 288, 300, 1159-1160, 3361, 3364, 3891, 5534, 5853
pathogens
Oryza sativa 2753
Solanum tuberosum 6190
pectinesterase, *Lycopersicon esculentum* 1378, 6373

Genetic transformation *cont.*
Peronospora tabacina, Nicotiana tabacum 1160
peroxidases, *Nicotiana tabacum* 3022, 3028, 5812
pest resistance, crops 2839
Petunia 3020, 4599
phaseolin, *Nicotiana tabacum* 2467
phenylalanine ammonia-lyase, *Nicotiana tabacum* 6183
phosphinothricin acetyltransferase
Arachis hypogaea 6199
Brassica napus 4887
Festuca rubra 4952
Sorghum bicolor 2856
Triticum aestivum 1118, 2772, 3316
Zea mays 1678, 3344, 3854
phosphoenolpyruvate carboxylase
Escherichia coli 3855
plants 3855
photosynthesis
Nicotiana plumbaginifolia 4081, 4623
Nicotiana tabacum 1340, 4623, 5449, 6369
Solanum tuberosum 4084, 6385
photosystem I, *Nicotiana tabacum* 1365
photosystem II, *Nicotiana tabacum* 4102
Phthorimaea operculella, Solanum tuberosum 127
phytoalexins, *Nicotiana tabacum* 3364
phytochrome
Arabidopsis thaliana 1908, 3042, 4601
Nicotiana tabacum 1908, 6362
plants, reviews 6436
phytoene desaturase, *Nicotiana tabacum* 1729
phytohaemaglutinin, *Solanum tuberosum* 6168
Phytophthora nicotianae, Nicotiana tabacum 1160
Picea glauca 4608
Pisum sativum 1100, 2214, 3707
plants 1101, 1669, 2748, 3345, 6140
plasmids, *Petroselinum crispum* 22
plastocyanins
Nicotiana tabacum 1929
Solanum tuberosum 4084
Plodia interpunctella, Juglans regia 4983
pollen
Arabidopsis thaliana 4610, 5343
Lilium longiflorum 20
Nicotiana rustica 20
Nicotiana tabacum 20, 3038, 4610, 4655
Paeonia lactiflora 20
pollination, *Brassica napus* 4887
polyamines, *Nicotiana tabacum* 4636
polygalacturonase
Lycopersicon esculentum 1328, 1378
reviews 5795
Poncirus trifoliata 6145
Populus, reviews 3841
position effect, *Nicotiana tabacum* 4630, 5793
potato X potexvirus
Nicotiana benthamiana 2279
Nicotiana clevelandii 118
Nicotiana tabacum 118, 2279
Solanum tuberosum 129, 2279
potato Y potyvirus
Nicotiana benthamiana 2279
Nicotiana tabacum 2279
Solanum tuberosum 2279
prolamins
Hordeum vulgare 319
Nicotiana tabacum 289
promoters
Daucus carota 1374
Oryza sativa 1330
Saccharum officinarum 1374
superoxide dismutase, *Nicotiana plumbaginifolia* 4616
prosystemin, *Lycopersicon esculentum* 2266
protein kinase, *Lycopersicon esculentum* 2957
proteinase inhibitors
Lycopersicon esculentum 4100
Oryza sativa 51
Populus 1173

Genetic transformation *cont.*
proteins
Lupinus 4976
Medicago sativa 4976
Pisum sativum 4976
plum pox potyvirus, *Nicotiana tabacum* 3372
Trifolium subterraneum 4976
proto-oncogenes, mutations, fibroblasts, rats 3417
protoplasts
Asparagus officinalis 5487
Brassica napus 2210
Glycine max 852
Nicotiana plumbaginifolia 497
Oryza sativa 2773
Populus 4390
triticale 5489
Triticum aestivum 576
Zea mays 2790, 6141
Prunus domestica 1668
Pseudomonas glumae 111
Pseudomonas putida, plant diseases 537
Pseudomonas solanacearum
Nicotiana tabacum 6183
Solanum tuberosum 108
Pseudomonas syringae, Nicotiana tabacum 1170, 3900
Pseudomonas syringae pv. *phaseolicola, Phaseolus vulgaris* 2843
Pseudomonas syringae pv. *tomato, Lycopersicon esculentum* 2957
Pyrenopeziza brassicae 87
pyrophosphatases, *Nicotiana tabacum* 6369
pyrophosphate-fructose-6-phosphate 1-phosphotransferase, *Solanum tuberosum* 5209
Pyrus pyrifolia 1668
pyruvate decarboxylase, *Nicotiana tabacum* 6361
pyruvate,orthophosphate dikinase, *Oryza sativa* 5829
recombinases, *Nicotiana tabacum* 4093
recombination
cowpea chlorotic mottle bromovirus, *Nicotiana benthamiana* 3363
Nicotiana bigelovii 2267
Nicotiana plumbaginifolia 2468
Nicotiana tabacum 1114
plants 4910
viruses, plants 3804, 6728
regeneration
Dendranthema grandiflora 6153
Nicotiana plumbaginifolia 6642
Pisum sativum 4395
Sinapis alba 2778
release
bacteria 1627
biosafety, crops 1656
crops 1621
repetitive DNA, *Nicotiana tabacum* 3031
replicase
pea early browning tobravirus, *Nicotiana benthamiana* 2847
potato X potexvirus, *Nicotiana tabacum* 3890
reporter genes
Dianthus caryophyllus 4954
Lycopersicon esculentum 2822
Nicotiana tabacum 6314
plants 6142, 6262
reproduction, *Coprinus bilanatus* 2434
resveratrol, *Nicotiana tabacum* 3364
reviews 569
plants 6262
Rhizobium meliloti
Nicotiana tabacum 631
plant diseases 537
Rhizoctonia solani
Brassica napus 91
Nicotiana tabacum 1168, 3893, 3906, 4432
ribonuclease inhibitors, *Brassica napus* 4335
ribonucleases
Brassica napus 4335
Nicotiana alata 3774
Nicotiana langsdorffii 3774
Petunia inflata 3773

Genetic transformation *cont.*
ribosome inactivating proteins, *Nicotiana tabacum* 3906
ribozymes, tobacco mosaic tobamovirus, *Nicotiana tabacum* 2842
ribulose-bisphosphate carboxylase
Arabidopsis thaliana 1370
Nicotiana tabacum 1340, 3563, 4092, 5449
reviews 6427
Oryza sativa 858
Petunia hybrida 4071
ribulose-bisphosphate carboxylase activase 3565
Nicotiana tabacum 1357, 5213
Rieske FeS protein, *Nicotiana tabacum* 4102
ripening
Lycopersicon esculentum 855, 1328, 1879, 2477
reviews 5795
RNA
alternative splicing, *Caenorhabditis elegans* 98
Nicotiana tabacum 3031
roots
Malus pumila 1679
Manihot esculenta 3011
plants 3014
Saccharum 1885
Saccharum officinarum 2110, 3310
salicylic acid, *Nicotiana tabacum* 1900, 3905, 5836
satellite RNA
cucumber mosaic cucumovirus 125
viruses, plants 606
scopolamine, *Atropa belladonna* 3389
secondary metabolites, plants, reviews 4472
seeds
lectins, *Nicotiana tabacum* 322
Nicotiana tabacum 3552
selectable markers 5954
Malus pumila 4948
Oryza sativa 5481
plants 6142, 6262
Triticum aestivum 5481
self incompatibility
Nicotiana alata 3774
Nicotiana langsdorffii 3774
Nicotiana tabacum 533
Petunia inflata 3773
senescence, *Nicotiana tabacum* 869
small nuclear RNA, *Nicotiana plumbaginifolia* 3017
Solanum 6126
Solanum melongena 5954
Solanum stoloniferum 1121
Solanum tuberosum 3345
Solanum vernei 1121
somatic embryogenesis
Picea glauca 2774
Vitis 14
Sorghum bicolor 1035
source sink relations, *Nicotiana plumbaginifolia* 3551
Spodoptera littoralis, Nicotiana tabacum 2838
starch
Nicotiana tabacum 5668
plants, reviews 6413
Solanum tuberosum 5668, 6170, 6385
starch synthase
plants, reviews 6413
Solanum tuberosum 2372, 3560, 6371
stearoyl-CoA desaturase
Arabidopsis thaliana 1293
Nicotiana tabacum 6280
stomata, *Nicotiana tabacum* 5668
stress
Lemna gibba 6437
Nicotiana tabacum 4358, 5537
Oryza sativa 2753
sucrose, *Nicotiana tabacum* 5857
sucrose synthase
Nicotiana tabacum 317
Solanum tuberosum, reviews 6171
Zea mays 6366
sulfonylurea herbicides, *Nicotiana tabacum* 138, 6201

Genetic transformation *cont.*
superoxide dismutase
Medicago sativa 4357
Nicotiana plumbaginifolia 3788
Nicotiana tabacum 3789
synthetic genes
Chilo suppressalis, Oryza sativa 603
Cnaphalocrocis medinalis, Oryza sativa 603
tannins, *Lotus corniculatus* 5200
techniques
Actinidia deliciosa 2780
Agrostis stolonifera 2793
Arabidopsis thaliana 3857, 4389, 4391, 4941, 4943
Beta vulgaris 4398
Brassica napus 2210, 2781, 5482
Calanthe 2212
cereals 4627
Dianthus caryophyllus 4954
Glycine max 23, 1107, 6136
Hordeum chilense 4388
Hordeum vulgare 4945
Lycopersicon esculentum 2822
Manihot esculenta 1672
Medicago sativa 6136
mice, books 6765
Nicotiana 3124
Nicotiana plumbaginifolia 497
Nicotiana tabacum 16, 21, 2789, 3850, 4394, 5485
Oryza sativa 1680, 2773
Petroselinum crispum 22
plants 16, 18, 21, 23, 567, 1110, 1113, 1115, 3124, 3849-3850, 6142
reviews 4399
Populus 4392
Saccharum spontaneum 1683
Solanum tuberosum 4393
Triticum aestivum 568, 576, 1118, 4945, 6147
Triticum durum 4388
Vigna unguiculata 23
Zea mays 23, 1678, 1680, 2789, 3344, 3854, 4394
temperate fruits, reviews 1699
tetracycline, *Nicotiana tabacum* 4397
thioneins, *Nicotiana tabacum* 5637
thymidine kinase, *Arabidopsis thaliana* 4391
tobacco mosaic tobamovirus
Nicotiana tabacum 3891
replicase
Nicotiana benthamiana 2855
Nicotiana tabacum 2855
tomato spotted wilt tospovirus, *Arachis hypogaea* 6199
toxic substances, *Nicotiana tabacum* 3347
transcription factors, *Nicotiana tabacum* 4654, 5833
transmission
plum pox potyvirus, *Nicotiana benthamiana* 116
zucchini yellow mosaic potyvirus, *Nicotiana benthamiana* 116
transposable elements
Arabidopsis thaliana 1323, 1996, 2458, 6558
Datura fastuosa 6552
Lactuca sativa 2487
Lycopersicon esculentum 1981, 2822, 5899
Nicotiana plumbaginifolia 5806
Nicotiana tabacum 1242, 2447, 4995-4996, 4998, 5841
Oryza sativa 4991
Petunia hybrida 2453
plants 1258
Populus alba 3858
Populus grandidentata 3858
Trichoderma, plant diseases 537
trihydroxystilbene synthase, *Nicotiana tabacum* 3364
triose-phosphate translocator, *Solanum tuberosum* 6385
Triticum aestivum 1677, 2783, 2785, 4947
trypsin inhibitors
Hordeum vulgare 1883

Genetic transformation *cont.*
trypsin inhibitors *cont.*
Nicotiana tabacum 1883, 2838
Triticum aestivum 1883
tryptophan synthase, *Arabidopsis thaliana* 864
tubulin, *Nicotiana tabacum* 1919, 4116
β-tubulin, *Arabidopsis thaliana* 1611
ubiquitin, *Oryza sativa* 1330
Uromyces appendiculatus 310
UTP-glucose-1-phosphate uridylyltransferase, *Solanum tuberosum* 355
vectors
plants 1682, 3856, 6142
Zea mays 6150
vegetative storage proteins, *Nicotiana tabacum* 5202
Verticillium, Solanum tuberosum 4982
virulence
plants 5530
Secale cereale 6195
Triticum aestivum 6195
Zea mays 6195
viruses
crops 2839
Nicotiana benthamiana 4986
Nicotiana occidentalis 4986
plants 1682, 2270, 4910
Vitis rupestris 4986
Vitis vinifera 4986
Xanthomonas oryzae, Oryza sativa 4435
Zea mays 570, 1670, 3342, 4602
Genetic tumours
gene expression
Nicotiana glauca 6267
Nicotiana langsdorffii 6267
nucleotide sequences
Nicotiana glauca 6267
Nicotiana langsdorffii 6267
Genetic variation
breeding, Australia, Crustacea 6124
reproduction, Australia, Crustacea 6124
Genetically engineered microorganisms
genetic engineering, heat shock proteins 5849
promoters, heat shock proteins 5849
release
monitoring, environment 5450
soil, bacteria, reviews 2734
soil, techniques, monitoring, reviews 2731
Genetics
cloning
flowering
Arabidopsis thaliana, flowering 1351
Pisum sativum, flowering 1351
Triticum aestivum, flowering 1351
cytoplasmic male sterility, *Zea mays* 5558
gene expression
flowering
Arabidopsis thaliana, flowering 1351
Pisum sativum, flowering 1351
Triticum aestivum, flowering 1351
growth period, *Arabidopsis thaliana* 5270
kanamycin, *Zea mays* 5483
methomyl, *Zea mays* 5558
nomenclature
Arabidopsis thaliana 5679
Zea mays 5873
pesticide resistance, *Zea mays* 5558
phytochrome, *Arabidopsis thaliana* 5679
techniques, *Arabidopsis thaliana* 5343
Genitalia
development, oestrogens, receptors, targeted mutagenesis, embryonic stem cells, mice 2290
gene expression, paired box, mice 2392
Genome analysis
chromosome walking, techniques 3111
DNA, integration, chromosomes, transgenics, mice 1127
pulsed field electrophoresis, *Anaplasma marginale* 1389
repetitive DNA
ducks 2522
swans 2522
techniques, reviews 6562

Genome maps, linkage, quantitative traits, marker genes, models 4122
Genomes
books 6763
DNA hybridization, *Brassica* 1992
DNA sequencing, reviews 6583
gene mapping, books 4915
genetic markers, *Musa* 5283
homology, algorithms 6470
imprinting
chromosome maps, mice 2493, 6454
DNA methylation
embryonic development, mice 764
mammals, reviews 2419
mice, reviews 4056
reviews 6339
DNA replication, mice 2994
gene expression
DNA methyltransferase, mice 1856
mammals, reviews 2406
genes, *H19,* DNA methylation, embryos, mice 775
insulin, gene expression, embryos, mice 6341
mice, reviews 4036
reviews, mice 5186
linkage, conservation, vertebrates, reviews 4140
Oryza sativa 4719
random amplified polymorphic DNA, *Musa* 5283
recombination, evolution, reviews 5133
restriction fragment length polymorphism
Aegilops 1448
Brassica 1992
Glycine tomentella 6538
Triticum 1448
Triticum aestivum 4719
Genotypes
identification, restriction fragment length polymorphism, diseases, leukocyte adhesion deficiency, cattle 6452
somatotropin, restriction fragment length polymorphism, sire evaluation, carcass quality, cattle 6494
Gentiana kurroo, tissue culture 1025
Geraniaceae
chloroplast genetics
ribulose-bisphosphate carboxylase 1825
taxonomy 1825
nucleotide sequences
ribulose-bisphosphate carboxylase 1825
taxonomy 1825
Geraniol, tissue culture, *Pelargonium* 3392
Geranylgeranyl pyrophosphate synthase, nucleotide sequences, *Arabidopsis thaliana* 5688
Geranylgeranyl transferase
gene expression, rats 759
nucleotide sequences, rats 633, 759
Gerbera jamesonii, tissue culture 3174
Germ cells
binding, Sertoli cells, tyrosine kinase, receptors, binding proteins, mutations, gene expression, mice 1312
fusion, hybridization, targeted mutagenesis, embryos, mice 3421
injection, embryos, gonads, chimaeras, fowls 6159
males
immortalization
meiosis 6597
transfection
genes, temperature sensitivity 6597
simian virus 40 6597
Germany
biogas, production, slurries 2709
embryo transfer, cattle 2602
somatotropin
animal health 2751
meat quality 2751
Germin, nucleotide sequences, *Hordeum vulgare* 5654
Germination
DNA replication, *Arachis hypogaea* 4657
flow cytometry, *Zea mays* 4745

Germination *cont.*
gene expression
Cicer arietinum 5630
plants 1925
Pseudotsuga menziesii 4652
Zea mays 5206
Giardia duodenalis, chromosomes, separation, techniques, pulsed field electrophoresis 5521
Giardia lamblia, DNA fingerprinting 5519
Gibberella zeae
gene mapping, *Zea mays* 5523
in vitro selection
triticale 1718
Triticum aestivum 2872
nucleotide sequences, polygalacturonase 97
random amplified polymorphic DNA, *Zea mays* 2549, 5523
restriction fragment length polymorphism, *Zea mays* 2549, 5523
Gibberellic acid
cloning, *Zea mays* 5094
gene expression
Avena sativa 4628
Lycopersicon esculentum 5809
Oryza sativa 6430
genetic transformation, *Nicotiana tabacum* 3311
nucleotide sequences, *Arabidopsis thaliana* 4555
promoters, *Oryza sativa* 6430
Gibberellins
DNA binding proteins, *Oryza sativa* 6447
gene expression
cereals 304
Hordeum vulgare 304, 2475, 6421
Oryza sativa 6447
promoters
Hordeum vulgare 2475, 6421
Oryza sativa 6447
Ginkgo biloba
gene expression, chlorophyll *a/b* binding protein 2435
nucleotide sequences
chlorophyll *a/b* binding protein 2435
protochlorophyllide reductase 6304
ribosomal DNA 5099
ovule culture 1061
protoplasts 1061
Ginsenoside
bioreactors, *Panax pseudoginseng* 1736
tissue culture, *Panax pseudoginseng* 1736
Gladiolus
tissue culture
regeneration 5399
somatic embryogenesis 5399
Gliadin
gene expression, *Triticum aestivum* 541
gene mapping
Triticum aestivum 4727
Triticum durum 3645
promoters, *Triticum aestivum* 541
recombination, *Triticum aestivum* 4727
restriction fragment length polymorphism, *Triticum aestivum* 397
Triticum dicoccoides
polymerase chain reaction 4726
restriction fragment length polymorphism 4726
Glial fibrillary acidic protein, gene expression, c-AMP, rats 5150
Globins
antisense DNA, cell lines, models 3110
chimaeras, gene transfer, sickle cell anaemia, mice 5507
DNA, hypersensitivity, gene mapping, fowls 5188
DNA binding proteins
gene expression
haematopoiesis, mice 5574
testes, mice 5574
DNA replication, deoxyribonuclease I, hypersensitivity, fowls 4029
enhancers
nucleotide sequences
ducks 5614
fowls 5614
gene expression
fowls 5718
Globins *cont.*
gene expression *cont.*
transgenics
Drosophila 770
mice 43, 2224
gene transfer
mutations, transgenics, mice 5494
yeast artificial chromosomes, mice 43, 2224
mutations, detection, techniques, polymerase chain reaction, mice 2024
nucleotide sequences, fishes 4526
promoters
chromatin, nucleosomes, assembly, fowls 5166
DNA binding proteins, cell lines, mice 5759
gene expression, transgenics, mice 4972
targeted mutagenesis, marker genes 5325
silencers
nucleotide sequences
ducks 5614
fowls 5614
transcription
promoters
chromatin
structure
cell lines 770
fowls 770
regulation, transgenics, mice 2237
transcription factors, nucleotide sequences, mice 634
Globodera rostochiensis
gene mapping
Solanum spegazzinii 3368
Solanum tuberosum 3368
restriction fragment length polymorphism
Solanum spegazzinii 3368
Solanum tuberosum 3368, 6525
Globodera solanacearum, gene expression, *Nicotiana tabacum* 2265
Globulins
antibodies, *Avena sativa* 315
gene expression
Avena sativa 315
Nicotiana tabacum 315
genetic transformation, *Nicotiana tabacum* 315
nucleotide sequences, *Oryza sativa* 5114
Glomus mosseae, gene expression, *Allium cepa* 168
Glomus versiforme, gene expression, *Medicago truncatula* 5804
Glucagon-like peptide, receptors, introns, nucleotide sequences, rats 2922
1,4-α-Glucan branching enzyme
gene expression
regeneration, *Manihot esculenta* 6423
Solanum tuberosum 5852
Zea mays 6382
genetic engineering, *Zea mays* 6382
tissue culture, regeneration, *Manihot esculenta* 6423
gene mapping, *Zea mays* 2474
nucleotide sequences
Solanum tuberosum 737
Zea mays 729
β-Glucanase
gene expression
Nicotiana tabacum 5534
Nicotiana tomentosiformis 5534
genetic engineering, *Nicotiana tomentosiformis* 5534
genetic transformation, *Nicotiana tabacum* 5534
promoters
Nicotiana tabacum 5534
Nicotiana tomentosiformis 5534
antisense DNA, *Nicotiana sylvestris* 2848
cell culture, *Hordeum vulgare* 2644
gene expression
Hordeum vulgare 849, 1917, 3911
Lycopersicon esculentum 4984
Nicotiana plumbaginifolia 4073
Nicotiana sylvestris 2848
Nicotiana tabacum 3040, 4073, 5628
Sambucus nigra 5698
Solanum tuberosum 3467, 3904
β-Glucanase *cont.*
genetic engineering, *Nicotiana plumbaginifolia* 4073
genetic transformation
Hordeum vulgare 1917, 2644
Nicotiana sylvestris 2848
Nicotiana tabacum 3040, 3908, 4073
in vitro culture, *Fusarium solani* 3908
nucleotide sequences
Arabidopsis thaliana 3998
Avena sativa 2971
Brassica napus 1806
Lycopersicon esculentum 4984
Nicotiana tabacum 5628
Sambucus nigra 5698
Solanum tuberosum 3467
promoters
Hordeum vulgare 1917
Nicotiana tabacum 3040
Glucocorticoids
acid glycoproteins, transcription, rats 3526
binding proteins, phosphoenolpyruvate carboxykinase, transcription, cell lines 788
proteins, prostate, transcription factors, rats 2396
receptors
α-amylase, gene expression, targeted mutagenesis, cell lines 2417
antisense DNA
energy balance, transgenics, mice 4969
lipid metabolism, transgenics, mice 4969
gene expression
chemical treatment, cell lines, mice 5182
heat shock, cell lines, mice 5182
nucleotide sequences
guineapigs 5153
strain differences, rats 663
synergism, receptors, gene expression, rats 5161
transgenics, energy metabolism, mice 4969
tyrosine aminotransferase
gene expression, cell lines, rats 4037
transcription, rats 5178
Glucokinase
gene expression, mammals, reviews 4590
gene mapping, mice 2521
Glucosamine-6-phosphate deaminase, nucleotide sequences, *Candida albicans* 2252
Glucosaminyl *N*-deacetylase/*N*-sulfotransferase, nucleotide sequences, mammary glands, mice 5036
Glucose
anther culture, *Hordeum vulgare* 6691
embryos
freezing, cattle 5373
in vitro development
cattle 967
mice 5965
insulin, promoters, transcription, induction, rats 3531
metabolism, somatotropin, transgenics, mice 2240
transporters
gene expression
central nervous system, rats 5748
diabetes, transgenics, mice 41
glycolysis, muscles, transgenics, mice 5506
metabolism, glucose, transgenics, mice 5501
transgenics, mice 2231
gene transfer, muscles, mice 5506
genetic polymorphism, gene mapping, rats 3592
nucleotide sequences
mice 1934
neurons, rats 5748
restriction fragment length polymorphism, gene mapping, rats 3592
Glucose-dependent insulinotropic peptide
gene expression, rats 3948
nucleotide sequences, rats 3948

Glucose-1-phosphate adenylyltransferase
gene expression
Nicotiana tabacum 5668
Solanum tuberosum 5852
Triticum aestivum 1238
Zea mays 3034, 4106, 5796
gene mapping
Hordeum vulgare 4175
Triticum aestivum 1238
genetic engineering, *Zea mays* 3034
genetic transformation
Nicotiana tabacum 5668
plants, reviews 6413
Solanum tuberosum 5668
Zea mays 3034
mutations, *Zea mays* 5796
nucleotide sequences
Arabidopsis thaliana 3499
Solanum tuberosum 5668
Triticum aestivum 1238
polymerase chain reaction, *Arabidopsis thaliana* 3499
promoters, *Solanum tuberosum* 5668
restriction fragment length polymorphism, *Hordeum vulgare* 4175
Glucose-6-phosphate dehydrogenase
gene expression, transgenics, mice 46
nucleotide sequences
mice 719
Solanum tuberosum 4001
Glucose-6-phosphate isomerase
gene mapping
fluorescence microscopy, pigs 6463
pigs 1944
restriction fragment length polymorphism, pigs 5859
nucleotide sequences
Arabidopsis thaliana 1836
Clarkia lewisii 1836
pseudogenes
gene mapping, DNA hybridization, pigs 1945
nucleotide sequences, pigs 1945
Glucose-regulated protein, gene mapping, DNA hybridization, pigs 906
Glucose transporter
cloning, pigs 5569
nucleotide sequences
pigs 5569
Saccharum 4532
β-Glucosidase
gene expression, *Zea mays* 5203
molecular genetics, books 4916
nucleotide sequences
Manihot esculenta 5653
Trifolium repens 5653
Glucosides, cell culture, *Centella asiatica* 4481
Glucosinolates, restriction fragment length polymorphism, *Brassica napus* 3907
β-Glucuronidase
gene expression, *Nicotiana tabacum* 5241
gene transfer, fibroblasts, lysosomes, storage disorders, gene therapy, mice 3352
genetic transformation, *Nicotiana tabacum* 5241
vectors, insertional mutagenesis, *Escherichia coli* 5490
computer analysis
Nicotiana 6578
Rubus 6578
gene expression
Arabidopsis thaliana 6561
Nicotiana 6578
Nicotiana tabacum 1119, 5770, 6314, 6561, 6577
Petunia hybrida 6152
Populus 6561
Rubus 6578
genetic transformation
Beta vulgaris 4398
Nicotiana 6578
Nicotiana tabacum 1119, 6314
Petunia hybrida 6152
Rubus 6578
mutations
nucleotide sequences, mucopolysaccharidosis, mice 1155
β-Glucuronidase *cont.*
mutations *cont.*
restriction fragment length polymorphism, mucopolysaccharidosis, mice 1155
tissue culture, *Nicotiana tabacum* 6577
Glufosinate
gene expression
Daucus carota 6200
Medicago sativa 6200
Nicotiana tabacum 6200
Zea mays 1678
genetic engineering, *Brassica napus* 3801
genetic transformation
Brassica napus 1090
Daucus carota 6200
Medicago sativa 6200
Nicotiana tabacum 6200
Triticum aestivum 3316
Zea mays 1678
in vitro selection, *Zea mays* 3854
Zea mays 5539
Glutamate
receptors
DNA, polyadenylation, rats 2334
nucleotide sequences, rats 2334
Glutamate-ammonia ligase
gene expression 333
Arabidopsis thaliana 6358
Glycine max 291, 3932
Hevea brasiliensis 6418
Medicago truncatula 1922
Nicotiana tabacum 3497
Zea mays 1352
genetic engineering, *Pisum sativum* 3497
nucleotide sequences 333
Brassica napus 2959, 6307
Hordeum vulgare 1268
Zea mays 1352
promoters, *Nicotiana tabacum* 3497
Glutamate decarboxylase
gene mapping, mice 4121
restriction fragment length polymorphism, mice 4121
Glutamate kinase, genetic transformation, *Nicotiana tabacum* 3864
Glutamate-1-semialdehyde, gene expression, *Glycine max* 866
Glutamate 1-semialdehyde 2,1-aminomutase
complementation, *Arabidopsis thaliana* 4007
gene expression, *Arabidopsis thaliana* 4007
nucleotide sequences, *Arabidopsis thaliana* 4007
Glutamate synthase
gene expression
Hordeum vulgare 2347
Lycopersicon esculentum 4070
nucleotide sequences
Hordeum vulgare 2347
Medicago sativa 227
Glutamate-tRNA ligase, gene expression, *Cucumis sativus* 5828
Glutamates
receptors
gene expression, eyes, rats 686
nucleotide sequences, eyes, rats 686
Glutamine tRNA reductase
complementation, *Arabidopsis thaliana* 4007
gene expression, *Arabidopsis thaliana* 4007
nucleotide sequences, *Arabidopsis thaliana* 4007
γ-Glutamyltransferase
gene expression, mice 5183
nucleotide sequences, mice 5183
promoters, transcription, cell lines 5183
restriction fragment length polymorphism, pigs 4667, 4697, 1425
Glutathione
oocytes
in vitro fertilization, pigs 1051
in vitro maturation, pigs 1051
tissue culture, *Catharanthus roseus* 146
Glutathione peroxidase
gene expression, eyes, cattle 3439
nucleotide sequences, cattle 3439
Glutathione reductase
cloning, plants, reviews 5633
gene expression, *Pinus sylvestris* 3792
genetic engineering, plants, reviews 5633
genetic transformation, *Nicotiana tabacum* 5537
molecular genetics, *Pisum sativum* 3995
Glutathione reductase (NADPH)
molecular genetics, plants, reviews 6711
nucleotide sequences, *Glycine max* 5696
Glutathione transferase
cell culture, *Hyoscyamus muticus* 5981
gene expression, mice 2885
molecular genetics, reviews 820
nucleotide sequences
fishes 679
mice 2885
Glutelins
gene expression
Oryza 6438
Oryza sativa 353, 5814, 6444
genetic engineering, *Oryza sativa* 6444
genetic transformation
Nicotiana tabacum 6444
Oryza sativa 353
molecular genetics, *Oryza* 6438
promoters
Nicotiana tabacum 6444
Oryza sativa 353, 6444
Glutenins
DNA footprinting, *Triticum aestivum* 295, 4086
gene expression, *Triticum aestivum* 295, 541, 4086
gene mapping, *Triticum durum* 3645
HPLC, *Triticum aestivum* 1440
nucleotide sequences, *Triticum aestivum* 232
polymerase chain reaction
Triticum aestivum 5887
Triticum durum 405
promoters, *Triticum aestivum* 295, 541
restriction fragment length polymorphism, *Triticum aestivum* 397, 1440, 5887
SDS-PAGE, *Triticum aestivum* 1440
Triticum dicoccoides
polymerase chain reaction 4726
restriction fragment length polymorphism 4726
Glyceraldehyde-3-phosphate dehydrogenase
gene expression
Arabidopsis thaliana 3548, 6399
embryos, quails 1234
Nicotiana tabacum 6399
genetic engineering, *Arabidopsis thaliana* 6399
genetic transformation, *Nicotiana tabacum* 6399
nucleotide sequences
angiosperms 2367
Atriplex nummularia 5672
quails 1234
promoters, *Arabidopsis thaliana* 6399
pseudogenes
nucleotide sequences
mice 2894
rats 2894
Glycerol-3-phosphate acyltransferase
chloroplast genetics, *Pisum sativum* 5205
gene expression, *Pisum sativum* 5205
genetic engineering, *Pisum sativum* 5205
Glycinamide ribonucleotide transformylase, nucleotide sequences, *Arabidopsis thaliana* 5685
Glycine, restriction fragment length polymorphism, linkage 6513
Glycine decarboxylase
gene expression
Nicotiana tabacum 5845
Pisum sativum 5845
genetic transformation, *Nicotiana tabacum* 5845
Glycine dehydrogenase (decarboxylating)
nucleotide sequences
Flaveria pringlei 5659
Solanum tuberosum 5660
Glycine latifolia, mitochondrial genetics 6528

Glycine max
cell culture
phenylalanine ammonia-lyase 2264
phytoalexins 2264
chloroplast genetics, DNA replication 1895
DNA, plant embryos 5201
DNA hybridization
repetitive DNA 5893
vitronectin 5313
gene expression 284, 6149
abscission 5215
δ-aminolevulinic acid dehydratase 6394
auxins 5222, 5822
brassinosteroids 4026, 5242
cellulase 5215
β-conglycinin 3552, 5226
coproporphyrinogen oxidase 1267
4-coumarate-CoA ligase 1287
dihydrokaempferol 4-reductase 6434
disulfide isomerase 2473
embryogenesis 4546
ferric leghaemoglobin reductase 5112
ferritin 4091
glutamate-ammonia ligase 291, 3932
glutamate-1-semialdehyde 866
glycinin 2479
growth regulators 5242
homeotic genes 4546
jasmonic acid 5230
late embryogenesis abundant proteins 6390
leghaemoglobin 291, 330, 339
light 291, 4116
lipoxygenase 5230
naringenin-chalcone synthase 6434
nitrogen-responsive lipoxygenase 1339
nodulation 866, 3932, 4091
nodulins 1910
pathogenesis-related proteins 1169
phenylalanine ammonia-lyase 2264
phytoalexins 2264
Phytophthora megasperma 1169, 1287
plant embryos 6390
protoplasts 852
pyruvate kinase 2954
seeds 3552
stearoyl-CoA desaturase 6272
sucrose 5202
sucrose synthase 291
tubulin 4116
vegetative storage proteins 5202
gene mapping 3648
auxins 5822
genetic engineering 284
companies 3300
β-conglycinin 3552, 5793
leghaemoglobin 330
light 4116
seeds 3552
tubulin 4116
genetic transformation 6149
Agrobacterium rhizogenes 1107
Agrobacterium tumefaciens 1107, 6148
protoplasts 852
techniques 23, 1107, 6136
immunology, disulfide isomerase 2473
mitochondrial genetics
adenosinetriphosphatase 1244
pseudogenes 1244
nucleotide sequences
abscission 5215
adenosinetriphosphatase 1244, 4554
alternative oxidase 4572
δ-aminolevulinic acid dehydratase 6394
ascorbate peroxidase 2934
Bradyrhizobium japonicum 205
brassinosteroids 4026
cellulase 5215
chlorophyll *a/b* binding protein 5693
coproporphyrinogen oxidase 1267
4-coumarate-CoA ligase 1287
elongation factors 5701
embryogenesis 4546
G proteins 6256
glutathione reductase (NADPH) 5696

Glycine max *cont.*
nucleotide sequences *cont.*
homeotic genes 4546
naringenin-chalcone synthase 200
nodulation 205, 730
phosphoenolpyruvate carboxylase 4023
Phytophthora megasperma 1287
protein kinase 1253
proteinase inhibitors 203
pseudogenes 1244
pyruvate kinase 2954
stearoyl-CoA desaturase 1293, 6272
ubiquitin 5707
polymerase chain reaction
nodulation 2541
proline-rich proteins 6550
promoters 284
acid phosphatase 5839
auxins 5822
β-conglycinin 3552
DNA binding proteins 5820
embryogenesis 5808
glycinin 5808
heat shock proteins 6558
leghaemoglobin 330, 339, 5820
nodulins 1910
phosphate 5839
seeds 3552
sucrose 5202, 5839
vegetative storage proteins 5202
protoplast fusion
chloroplast genetics 28
mitochondrial genetics 28
random amplified polymorphic DNA 6517
Heterodera glycines 6196
nodulation 2541
variety classification 6518
restriction fragment length polymorphism 1430, 1990, 1993-1994, 3648
chloroplast genetics 4178
Heterodera glycines 3895, 6196
inbreeding 4173
mitochondrial genetics 4178
nodulation 6539
quantitative traits 6540
variety classification 6518
RNA
extraction 6587
techniques 6587
RNA editing, adenosinetriphosphatase 4554
tissue culture 3179, 5998
somatic embryogenesis 2954, 3172, 3175, 4297
transcription factors
acid phosphatase 5839
DNA binding proteins 5820
embryogenesis 5808
glycinin 5808
leghaemoglobin 5820
phosphate 5839
sucrose 5839
yeast artificial chromosomes 6570
Glycine-rich proteins
gene expression
Brassica napus 5198
Medicago sativa 6099
Nicotiana tabacum 94
nucleotide sequences
Brassica napus 5198
Nicotiana tabacum 94
Glycine soja
random amplified polymorphic DNA, variety classification 6518
restriction fragment length polymorphism 1430
variety classification 6518
Glycine tomentella
restriction fragment length polymorphism
genomes 6538
polyploidy 6538
Glycinin
gene expression
Glycine max 2479
Nicotiana tabacum 2479
genetic transformation, *Nicotiana tabacum* 2479
promoters, *Glycine max* 5808
transcription factors, *Glycine max* 5808

Glycoalkaloids, monoclonal antibodies, *Solanum tuberosum* 6591
Glycogen phosphorylase, promoters, nucleotide sequences, rats 668
Glycogen (starch) synthase
gene expression, *Solanum tuberosum* 6170
genetic transformation, *Solanum tuberosum* 6170
Glycolysis, glucose, transporters, gene expression, muscles, transgenics, mice 5506
Glycoproteins
antigens
gene expression, mice 5607
nucleotide sequences
mice 5607
rats 5607
bile
gene expression, mice 3440
nucleotide sequences, mice 3440
brain
gene mapping, restriction fragment length polymorphism, mice 262
nucleotide sequences
cattle 262
mice 262
rats 262
central nervous system
gene expression, mice 781
nucleotide sequences, mice 781
RNA, alternative splicing, mice 781
dystrophin
gene expression, muscles, rabbits 2412
nucleotide sequences, rabbits 2412
gene expression
brain, rats 262
Nicotiana tabacum 6422
transcription factors, liver, rats 5744
genes, pituitary, nucleotide sequences, Japanese quails 3935
hormones, promoters, transcription, thyroid hormones, targeted mutagenesis, cell lines 1318
immunoglobulins, nucleotide sequences, dogs 4514
immunological techniques, *Solanum tuberosum* 6590
lymphocytic choriomeningitis virus, T lymphocytes, receptors, gene transfer, diabetes, mice 4965
microfibrils
gene expression, embryos, mice 2389
gene mapping, DNA hybridization, mice 2389
nucleotide sequences, mice 2389
nucleotide sequences
bovine respiratory syncytial virus 70
Brassica campestris 5709
Daucus carota 1799
equine herpesvirus 60
feline herpesvirus 69
guineapigs 3989
pancreas, rats 196
Solanum chacoense 6263
oviducts, nucleotide sequences, cattle 3979
polymerase chain reaction, *Solanum chacoense* 6263
receptors
blood coagulation factors
gene transfer, liver, rats 3304
transfection, liver cells, rats 3304
T lymphocytes
gene expression, transgenics, mice 3516
gene mapping, restriction fragment length polymorphism, mice 3064
nucleotide sequences, mice 6240
targeted mutagenesis, immune response, mice 3400
transcription
enhancers, guineapigs 3989
promoters, guineapigs 3989
Glycosides
bioreactors, *Panax pseudoginseng* 5442
biotransformation, *Linum flavum* 2284
cell culture
Linum flavum 2284

Glycosides *cont.*
cell culture *cont.*
Rauvolfia serpentina 4829
Vancouveria hexandra 4491
Eucalyptus perriniana 4474
Glycosylation inhibiting factor
gene expression, cell lines 3442
nucleotide sequences, mice 3442
18β-Glycyrrhetinic acid
biotransformation, *Panax pseudoginseng* 4443
tissue culture, *Panax pseudoginseng* 4443
Glycyrrhetinic acid 24-hydroxylase, cell culture, *Glycyrrhiza glabra* 4819
Glycyrrhiza echinata, cell culture, flavonoids 1735
Glycyrrhiza glabra
cell culture 984
formononetin 983
glycyrrhetinic acid 24-hydroxylase 4819
gene expression 284
genetic transformation 284
tissue culture 984
Gnetum
nucleotide sequences
evolution 1833
ribosomal DNA 1833
GnRH (*see also* Gonadotropins)
analogues
androstanes
in fat, pigs 6082
in salivary glands, pigs 6082
oocytes, maturation, fishes 6066
spawning, induction, fishes 4326, 6062
gene expression
fishes, reviews 4030
mammals, reviews 4030
mammary glands
lactation, rats 5175
pregnancy, rats 5175
oestrus
duration, cattle 4885
induction, cattle 5424
ovulation, induction, buffaloes 1524
ovulation rate, cattle 4885
receptors
gene expression
cell lines 1782
ovaries, rats 5174
pituitary, rats 5174
nucleotide sequences
cattle 1776
mice 1782
rats 1782, 5174
superovulation
cattle 508
embryos, recovery, goats 4883
Goats
breeding season, melatonin 532
casein
gene mapping, DNA hybridization 893
nucleotide sequences 645, 2319
conception rate, melatonin 532
detection
genes, Y chromosome, polymerase chain reaction 5960
pseudohermaphroditism, polymerase chain reaction 5960
restriction fragment length polymorphism, Nematoda 4767
ELISA, immunodiagnosis, *Toxoplasma gondii* 1469
embryo transfer, reviews 3168
embryos
in vitro development
culture media 1528
embryos, splitting 2605
oocytes, *in vitro* fertilization 6670
gene mapping, interferon, DNA hybridization 3598
goats, superovulation, embryos, recovery, prostaglandins 4883
in vitro fertilization, oocytes 6674
in vitro maturation, oocytes 6674
lactalbumin, gene mapping, DNA hybridization 1947
lactoglobulins, nucleotide sequences 2322
Goats *cont.*
lactoperoxidase, gené mapping, DNA hybridization 1947
litter size, melatonin 532
major histocompatibility complex, restriction fragment length polymorphism 6469
milk
detection, ELISA, ewe milk, adulteration 4225
ELISA, detection, adulteration, sheep, milk 4766
milk proteins, biochemical polymorphism, reviews 3969
mitochondrial DNA, restriction fragment length polymorphism 5249
oestrus
induction
conception rate 4327
litter size 4327
prostaglandins 4327
synchronization
conception rate 4328
gonadotropins 4328
kidding rate 4328
litter size 4328
progesterone 1595
progestogens 4328
oocytes
in vitro fertilization 6670
in vitro maturation 6670, 6673
ovaries, follicles, dimensions 5406
superovulation 4313
recovery, techniques 6674
pregnancy diagnosis
progesterone, in blood 5421
ultrasonics 1594
pregnancy rate
embryo transfer
embryos, splitting 2605
nutrition 4791
repetitive DNA, restriction fragment length polymorphism 3603
retinoblastoma, gene mapping, DNA hybridization 1947
satellite DNA, restriction fragment length polymorphism 2513-2519, 3600, 4132
sex determination, nucleotide sequences 689
sheep
chimaeras
oestrous cycle 2059
pregnancy 2059
somatotropin
gene transfer, Retroviridae, mammary glands 6158
milk, lactation, mammary glands, transgenics 6158
superovulation
embryos, recovery, prostaglandins, goats 4883
FSH 1069
embryos, recovery 2146, 4883
GnRH, embryos, recovery 4883
LHRH, embryos, recovery 2146
PMSG 1069
Gonadotropins (*see also* FSH; GnRH; LH)
oestrus
synchronization
cattle 3244
goats 4328
horses 5427
oocytes
in vitro maturation
horses 3239
pigs 4307
prostaglandin-endoperoxide synthase, transcription, rats 825
secretion, somatotropin, transgenics, mice 1689
spawning, induction, fishes 6065
superovulation
cattle 4886
embryos
recovery
camels 2603
cattle 4886
Gonads
chimaeras, germ cells, injection, embryos, fowls 6159
Gonads *cont.*
development, triploidy, induction, cold shock, fishes 4859
Gossypium
genetic engineering
Bacillus thuringiensis 3369
insects 2187, 3369
patents 550
genetic transformation
bromoxynil 139
herbicides 139
nucleotide sequences, transposable elements 2965
protoplasts 4263
Gossypium herbaceum
polymerase chain reaction
spermidine 4220
variety classification 5889
random amplified polymorphic DNA, variety classification 5889
Gossypium hirsutum
anther culture 3037
DNA hybridization
nucleolus organizer 4158
ribosomal DNA 4158
DNA isolation, techniques 1454
flow cytometry, DNA 4204
gene expression, chlorophyll *a/b* binding protein 843
genetic engineering 3343
Bacillus thuringiensis 3913
companies 3300
insects 3913
quality 3913
genetic transformation, patents 3810
nucleotide sequences
adenosinetriphosphatase 229
peroxidases 4558
polymerase chain reaction
spermidine 4220
variety classification 5889
protoplasts
regeneration 3202
regenerative ability 462
somatic embryogenesis 462
random amplified polymorphic DNA, variety classification 5889
tissue culture, regeneration 5995
Gossypium laxum, polymerase chain reaction, spermidine 4220
Gossypol, oocytes, *in vitro* maturation, cattle 4864
Government research, genetic engineering, commercialization 3271
Grain legumes
gene expression
Rhizobium 4107
symbiosis 4107
gene mapping 5315
genetic engineering, nutritive value 3778
genetic transformation 560
molecular genetics 4923
protoplasts 1031
Gramineae
chloroplast genetics
evolution 735
RNA polymerase 3474
molecular genetics, evolution 2314
nucleotide sequences, RNA polymerase 3474
Granulocytes
colony stimulating factor
nucleotide sequences, rats 2920
promoters, gene expression, mice 5169
Granulosa cells
embryos, *in vitro* development, cattle 4781
growth, somatotropin, cattle 2675
inhibin, subunits, nucleotide sequences, fowls 5617
reporter genes, injection, gene expression, mice 762
Grape must, utilization, fumaric acid, production, *Candida hydrocarbofumarica* 4347
Grapevine chrome mosaic nepovirus, genetic transformation, coat proteins, *Nicotiana tabacum* 2837
Grapevine fanleaf nepovirus
cloning 1726

Grapevine fanleaf nepovirus *cont.*
gene expression 1726
genetic transformation, coat proteins, *Nicotiana benthamiana* 4980
somaclonal variation, *Vitis vinifera* 1005
Grapevine leafroll associated closterovirus, somaclonal variation, *Vitis vinifera* 1005
Grasses
chloroplast genetics, taxonomy 4734
restriction fragment length polymorphism, taxonomy 4734
Greece, embryo transfer, *in vitro* fertilization, cattle 2069
Groundnut bud necrosis virus, ELISA, serology 2586
Grouse, random amplified polymorphic DNA 3105
Growth
DNA fingerprinting, linkage, mice 2496
fetus, somatotropin, sheep 2689
gene mapping
livestock 4145
mice 4145
gene transfer, somatotropin, fishes 2223
genetic engineering, sheep, reviews 3259
genetic improvement, molecular genetics, pigs 3879
insulin, transgenics, mice, reviews 5513
insulin-like growth factor
receptors, targeted mutagenesis, mice 5716
targeted mutagenesis, mice 5716
transgenics, mice, reviews 5513
oncogenes, gene expression, cell lines, transgenics, mice 3420
somatostatin, immunization, livestock, reviews 4329
somatotropin
antisense DNA, transgenics, rats 1130
cattle 2684
fishes 5435
sheep, reviews 3259
triploidy, fishes 1603
uptake, feeds, fishes 3779
Growth and reproduction complex, nucleotide sequences, deletions, rats 3957
Growth factors
DNA binding proteins, transcription, mice 1849
embryos
germ cells, *in vitro* culture, mice 959
in vitro development
mammals 2063, 3161
pigs 5360
fibroblasts, receptors, RNA, alternative splicing, prostate, rats 4597
liver cells
gene expression, rats 5135
nucleotide sequences, rats 5135
neurons, vectors, cell lines, mammals 2760
nucleotide sequences
liver cells, rats 3972
mice 175
rats 175
restriction fragment length polymorphism, sheep 2527
secretion, ovaries, granulosa cells, cell lines, mice 5381
stem cell factor, nucleotide sequences, fowls 3464
transcription, liver cells, rats 3972
vascular epithelial
brain
gene expression, rats 4583
nucleotide sequences, rats 4583
Growth period
gene mapping
Arabidopsis thaliana 5270
Hordeum vulgare 4154
genetics, *Arabidopsis thaliana* 5270
random amplified polymorphic DNA, *Hordeum vulgare* 4154
restriction fragment length polymorphism
Arabidopsis thaliana 5270
Hordeum vulgare 4154
Zea mays 3639
Growth regulators
embryo culture, *Prunus persica* 4837
Growth regulators *cont.*
gene expression
Arabidopsis thaliana 2485, 4906, 5207
Glycine max 5242
Lycopersicon esculentum 5242
plants 3543
Triticum aestivum 2356
genetic transformation, *Nicotiana tabacum* 4114
nucleotide sequences
Arabidopsis thaliana 2485
Triticum aestivum 2356
ovule culture, *Prunus persica* 4837
promoters, plants 3543
tissue culture
Raphanus sativus 2077
Thuja occidentalis 4834
GTP cyclohydrolase, nucleotide sequences, mice 2916
Guanosine monophosphate
protein kinase
gene expression, rats 5615
nucleotide sequences, rats 5615
Guanylate kinase, nucleotide sequences, cattle 5040
Guineapigs
acrosome, proteins, nucleotide sequences, spermatozoa 5020
crystallins, nucleotide sequences 3943
cytochromes
gene expression, sex differences 760
nucleotide sequences 760
ELISA, *Bordetella bronchiseptica* 1472
embryos, *in vitro* development, culture media 1531
glucocorticoids, receptors, nucleotide sequences 5153
glycoproteins
nucleotide sequences 3989
transcription
enhancers 3989
promoters 3989
histamine
receptors
gene expression 5048
nucleotide sequences 5048
opioid peptides
receptors
gene expression, brain 5084
nucleotide sequences 5084
protein-glutamine γ-glutamyltransferase
promoters
gene expression 4522
nucleotide sequences 4522
quinone reductase, nucleotide sequences 3943
triacylglycerol lipase, pancreas, nucleotide sequences 6225
Guizotia abyssinica, anther culture, somatic embryogenesis 2143
Gynoecium
gene expression
Hordeum vulgare 5632
plants 1888
sterility, *Nicotiana tabacum* 6699
gene mapping, *Hordeum vulgare* 5632
immunological techniques, *Solanum tuberosum* 6590
nucleotide sequences, *Hordeum vulgare* 5632
Gynogenesis
DNA hybridization, fishes 4123
fishes, breeding season, cloning 1075
haploids, gene mapping, fishes 6479
induction, ultraviolet radiation, mollusca 6043
Gypsophila manginii
embryo culture, interspecific hybridization 6056
ovule culture, interspecific hybridization 6056
Gypsophila paniculata
embryo culture, interspecific hybridization 6056
ovule culture, interspecific hybridization 6056
H-Y antigen
embryos
in vitro development, mice 4806
H-Y antigen *cont.*
embryos *cont.*
sex diagnosis
cattle 963
mice 963, 4806
receptors, transgenics, T lymphocytes, mice 1134
sex control, mice 4806
sex diagnosis
embryos
livestock 976
mice 976, 4224
rabbits 4224
spermatozoa
X-Y separation
cattle 1045, 3238
pigs 1045
H^+/K^+-exchanging ATPase, transgenics, gastritis, mice 4403
Habit, tissue culture, *Pelargonium* 3392
Haem
protein kinase
gene expression, rats 5063
nucleotide sequences, rats 5063
Haemagglutinins
influenzavirus
immunization
fowls 2207
mice 2207
Haematopoiesis
DNA binding proteins, globins, gene expression, mice 5574
embryonic stem cells, proto-oncogenes, antisense DNA 5765
phosphoric monoester hydrolases, nucleotide sequences, mutations, mice 3538
protein-tyrosine kinase, targeted mutagenesis, embryonic stem cells, mice 3923
proto-oncogenes, targeted mutagenesis, mice 1746
stem cells, proliferation, protein-tyrosine kinase, receptors, ligands, mice 5043
tyrosine kinase
receptors
gene expression, mice 5050
nucleotide sequences, mice 5050
Haemoglobin
gene expression, *Hordeum vulgare* 5697
gene transfer, vectors, transgenics, pigs 3337
genes, microinjection, transgenics, pigs 3337
nucleotide sequences, *Hordeum vulgare* 5697
promoters, gene expression, transgenics, pigs 3337
restriction fragment length polymorphism, mice 1950
transgenics, disease resistance, malaria, mice 2817
Haemonchus contortus, β-tubulin, restriction fragment length polymorphism, drug resistance 4424
Haemophilia
cells, transplantation, gene therapy, mice 1665
gene therapy, blood coagulation factors, retroviral vectors, dogs 2765
Haemorrhagic septicaemia virus, DNA probes, strains, identification 1470
Hair
abnormalities
epidermal growth factor, receptors, nucleotide sequences, mutations, mice 3967
insertional mutagenesis, transgenics, mice 3874
involucrin, promoters, gene expression, transgenics, mice 3325
Hair follicles, involucrin, gene expression, transgenics, mice 1132
Halothane susceptibility, DNA probes, breeding programmes, pigs 4773
Hamsters
adenine phosphoribosyltransferase, targeted mutagenesis, cell lines 5551

Hamsters *cont.*
calcium, pumps, plasma membranes, RNA, alternative splicing 2413
DNA probes, retinoblastoma, gene mapping 5256
embryos
in vitro development
ova, recovery, duration 968
oxygen 968
mitochondrial uncoupling protein, transcription, adipocytes 243
oocytes
freezing
embryonic development, *in vitro* 6050
in vitro fertilization 6050
survival 6050
ova, recovery, duration, *in vitro* fertilization 968
plasmids, vectors, targeted mutagenesis, adenine phosphoribosyltransferase, cell lines 5552
pregnancy rate, embryo transfer, oocytes, freezing 6050
repetitive DNA
X chromosome
gene mapping, DNA hybridization 2536
nucleotide sequences 2536
reporter genes, gene expression, cell lines 1103
retroviral vectors, gene expression, cell lines 3307
Haploids, gynogenesis, gene mapping, fishes 6479
Haploidy
anther culture
Brassica oleracea, cauliflowers 2145
Hordeum vulgare 2669, 3762
Nicotiana tabacum 4109, 4992
Triticum aestivum 3738, 3757, 6053
Zea mays 519, 4877
carbohydrates, *Triticum aestivum* 6687
colchicine, *Triticum aestivum* 6687
embryo culture, *Cucumis sativus* 6643
genetic transformation, *Zea mays* 2790
ovule culture
Beta vulgaris 6680
sugarbeet 4322, 6690
Triticum aestivum 6682
protoplasts, plants 3713
random amplified polymorphic DNA, *Hordeum vulgare* 2669
restriction fragment length polymorphism
Hordeum vulgare 2669
Zea mays 519, 4877
somaclonal variation, *Petunia* 2301
somatic embryogenesis, *Triticum aestivum* 6687
spermatozoa, ultraviolet radiation, fishes 4312
tissue culture
Larix decidua 4874
Solanum tuberosum 6057
Hatching
embryos, freezing, fishes 1525
in vitro fertilization, ova, fowls 6068
spawning, induction, fishes 6065
Haworthia, tissue culture, regeneration 2104
HCG
embryos, *in vivo* development, sheep 4333
gene mapping, DNA hybridization, pigs 1407
oestrus, induction, sheep 3249
oocytes
maturation
fishes 6066
pigs 6046
ovulation, induction, buffaloes 1524
pregnancy rate, sheep 4333
progesterone, receptors, promoters, transcription, rats 4054
spawning, induction, fishes 4881, 5423
superovulation, pigs 2151
Heart
creatine kinase, promoters, regulation, muscles, rabbits 5764
gene expression, regulation, rats 3306
gene transfer, techniques, rats 3306
Heart *cont.*
genes
homeo box
gene expression, embryos, mice 254
nucleotide sequences, embryos, mice 254
injection, gene transfer, proto-oncogenes, rats 2205
myosins, promoters, transcription factors, gene expression, fowls 5767
potassium
channels
gene expression, rats 2905, 3430
nucleotide sequences, rats 2905, 3430, 6223
pressure, proto-oncogenes, promoters, activation, targeted mutagenesis, rats 2205
Heat
gene expression, *Lycopersicon peruvianum* 3269
nucleotide sequences, *Lycopersicon peruvianum* 3269
Heat resistance, gene expression, *Lolium perenne* 6100
Heat shock
androgenesis, diploidy, induction, fishes 6059
chloroplast genetics, *Cucurbita pepo* 2176
DNA binding proteins, transcription factors, mice 2401
gene expression
Cucurbita pepo 2176
Triticum aestivum 541, 543
Vicia faba 5664
glucocorticoids, receptors, gene expression, cell lines, mice 5182
nucleotide sequences, *Vicia faba* 5664
promoters, *Triticum aestivum* 541
transcription factors
gene expression, fowls 5749
nucleotide sequences, fowls 5749
triploidy, induction, fishes 1593
Heat shock proteins
antibodies 6098
cell culture
Catharanthus roseus 6016
Digitalis lanata 6016
Lycopersicon esculentum 6016
Peganum harmala 6016
Petroselinum crispum 6016
Pisum sativum 6016
cells, mortality, cell lines 194
cloning
Oryza sativa 5702
Pisum sativum 4352
gene expression 6098
Arabidopsis thaliana 4904, 6558, 6717
Catharanthus roseus 1282, 6016
Chenopodium rubrum 5788
Digitalis lanata 6016
Helianthus annuus 2173, 6258
Hordeum vulgare 1614
Lolium perenne 6100
Lycopersicon esculentum 6016
mice 2320
Nicotiana plumbaginifolia 5803
Oryza sativa 545, 5702
Peganum harmala 6016
Petroselinum crispum 6016
Picea 6102
Pinus 6102
Pisum sativum 6016
plants, reviews 4905
Secale cereale 6425
Spinacia oleracea 870, 6350
triticale 6425
Triticum aestivum 1838, 6425, 6714
Zea mays 271, 316, 4543, 5640, 6097, 6105
gene mapping
Brucella melitensis 2250
restriction fragment length polymorphism, mice 3057
gene tagging, *Arabidopsis thaliana* 6558
gene transfer, testes, transgenics, mice 2819
Heat shock proteins *cont.*
genetic engineering
Arabidopsis thaliana 5849
genetically engineered microorganisms 5849
yeasts 5849
genetic transformation
Arabidopsis thaliana 4904, 6558
Nicotiana plumbaginifolia 5803
linkage, fowls 6471
molecular genetics, plants, reviews 4905
nucleotide sequences
Anopheles albimanus 1202
Arabidopsis thaliana 6717
Catharanthus roseus 1282
cattle 6232
Helianthus annuus 6258
Hordeum vulgare 4015
major histocompatibility complex, pigs 4505
mice 194, 1209-1210, 1213, 2320
Oryza sativa 226
Spinacia oleracea 870, 5091, 6286
Triticum aestivum 1838, 2958
Zea mays 4543, 5640, 6105
Pisum sativum, gene expression 2440
promoters
Arabidopsis thaliana 5849
DNA binding proteins, gene expression, rats 3000
gene expression, testes, mice 2819
genetically engineered microorganisms 5849
Glycine max 6558
nucleotide sequences, rats 3000
yeasts 5849
restriction fragment length polymorphism
major histocompatibility complex, pigs 4505
reviews 2175
RNA, alternative splicing, mice 1866
transcription, cell lines 1762
Heavy metals
gene expression, *Arabidopsis thaliana* 5712
nucleotide sequences, *Arabidopsis thaliana* 5712
Height
gene expression, *Linum usitatissimum* 4611
gene mapping
Hordeum vulgare 4154
Zea mays 5894, 5932
gene tagging, *Zea mays* 5931
genetic markers, *Zea mays* 5292
mutations, *Zea mays* 5932
random amplified polymorphic DNA
Capsicum annuum 3637
Capsicum chinense 3637
Hordeum vulgare 4154
restriction fragment length polymorphism
Hordeum vulgare 4154
Oryza sativa 931
Triticum aestivum 3649
Zea mays 3639, 5292, 5894, 5931
somaclonal variation, *Oryza sativa* 1759
transposable elements, *Zea mays* 5932
Helianthinin
gene expression
Helianthus annuus 5834
Nicotiana tabacum 5834
genetic engineering, *Helianthus annuus* 5834
genetic transformation, *Nicotiana tabacum* 5834
promoters
Helianthus annuus 5834
Nicotiana tabacum 5834
Helianthus annuus
anther culture 3759
regeneration 3243
chloroplast genetics
pseudogenes 1794
transfer RNA 1794, 6255
embryo culture
interspecific hybridization 3759
somatic embryogenesis 5984
gene expression
abscisic acid 5834
anthers 5844
cytoplasmic male sterility 3252, 5844

***Helianthus annuus** cont.*
gene expression *cont.*
drought 2173
embryogenesis 5834
heat shock proteins 2173, 6258
helianthinin 5834
injuries 4637
meiosis 5844
plant embryos 6258
seeds 5834
genetic engineering
helianthinin 5834
proteins 4976
genetic transformation
Agrobacterium tumefaciens 2788
histones 5228
interspecific hybridization 2788
mitochondrial genetics
anthers 5844
cytoplasmic male sterility 3252, 5844, 6077-6078, 6698
meiosis 5844
pseudogenes 1794
transfer RNA 1794, 6255
molecular genetics, repetitive DNA 3628
nucleotide sequences
heat shock proteins 6258
plant embryos 6258
pseudogenes 1794
transfer RNA 1794, 6255
polymerase chain reaction
repetitive DNA 3628
transfer RNA 6255
promoters
abscisic acid 5834
embryogenesis 5834
helianthinin 5834
seeds 5834
protoplast fusion
intergeneric hybridization 3320
mitochondrial genetics 3320
protoplasts, electric current 1540
restriction fragment length polymorphism, cytoplasmic male sterility 6698
somaclonal variation, somatic embryogenesis 1548
tissue culture 4258
salinity 4284
Helianthus petiolaris, mitochondrial genetics, cytoplasmic male sterility 6078
Helianthus tuberosus
genetic transformation
Agrobacterium tumefaciens 2788
interspecific hybridization 2788
tissue culture 2094
protein-glutamine γ-glutamyltransferase 5990
Helicases, nucleotide sequences, African swine fever virus 52
Helminthoses, disease resistance, major histocompatibility complex, restriction fragment length polymorphism, sheep 2248
Heme oxygenase, promoters, nucleotide sequences, rats 3000
Heme transporter
nucleotide sequences, *Oenothera berteriana* 5124
RNA editing, *Oenothera berteriana* 5124
Heparin, DNA, purification, techniques 945
Heparin-binding neurotrophic factor, gene mapping, genetic polymorphism, mice 3614
Heparitin sulfotransferase, nucleotide sequences, mammary glands, mice 5036
Hepatectomy, marker genes, gene transfer, liver, endocytosis, rats 562
Hepatitis virus, antisense RNA, gene transfer, disease resistance, transgenics, mice 3353
Hepatocyte growth factor, receptors, gene expression, embryos, mice 4592
Hepsin, nucleotide sequences, rats 3942
Heptaubiquitin, nucleotide sequences, *Lycopersicon esculentum* 5122
Herbaria, polymerase chain reaction, DNA 5348
Herbicide residues
ELISA
soil 450
water 450
Herbicide resistance
cell culture, *Amaranthus retroflexus* 140
gene expression
Arabidopsis thaliana 3498
Daucus carota 6200
Medicago sativa 6200
Nicotiana tabacum 6200
genetic engineering
Beta vulgaris 3797
Brassica napus 4365, 4911
plants 552, 4361
genetic transformation
Brassica napus 1090
Daucus carota 6200
Medicago sativa 6200
Nicotiana tabacum 3916, 5537, 6200
plants 3278
mutations, *Arabidopsis thaliana* 4439
nucleotide sequences, *Arabidopsis thaliana* 3498
recombination, *Arabidopsis thaliana* 4439
selectable markers, *Arabidopsis thaliana* 4439
tissue culture, plants 3384
Herbicides
bioremediation, biofilters 2693
ELISA
detection 430
foods 5358
genetic engineering, *Nicotiana tabacum* 5538
genetic transformation, *Gossypium* 139
immunological techniques, soil 423
in vitro selection, *Solanum tuberosum* 2272
monoclonal antibodies, detection 430
mutations, *Solanum tuberosum* 2272
Heritability, body weight, Retroviridae, DNA, integration, mice 3305
Herpes simplex virus
genetic transformation
Arabidopsis thaliana 4391
Nicotiana tabacum 3578
thymidine kinase
infertility, males, transgenics, mice 4967
spermatozoa, abnormalities, transgenics, mice 4967
Herpesviridae
promoters, vectors, gene expression, cell lines, mammals 5013
vectors, gene transfer, nervous system, reviews 2564
Heterobasidion annosum, nucleotide sequences 109
Heterobasidion araucariae, nucleotide sequences 109
Heterochromatin, satellite DNA, segregation, mice 1408
Heterodera
molecular genetics, ribosomal DNA 3359
polymerase chain reaction, ribosomal DNA 3359
Heterodera avenae
gene mapping, *Secale cereale* 4177
polymerase chain reaction, *Secale cereale* 4177
random amplified polymorphic DNA, *Aegilops squarrosa* 4985
restriction fragment length polymorphism *Aegilops squarrosa* 4985, 5291
Secale cereale 4177
Heterodera glycines
random amplified polymorphic DNA, *Glycine max* 6196
restriction fragment length polymorphism, *Glycine max* 3895, 6196
Heterodera schachtii
gene expression
Arabidopsis thaliana 1889
Nicotiana tabacum 1889
genetic transformation
Arabidopsis thaliana 1889
Nicotiana tabacum 1889
promoters
Arabidopsis thaliana 1889
Nicotiana tabacum 1889
Heteronuclear ribonucleoprotein complex
gene expression, mice 666
nucleotide sequences, mice 666
Heteroploidy, flow cytometry, detection, ova, fishes 4750
Heterosis
biotechnology 2157
reviews 1597
molecular genetics
Triticum aestivum 1873
Zea mays 1873
Heterozygosity, restriction fragment length polymorphism, *Medicago sativa* 5897
Hevea brasiliensis
cell culture, protoplasts 4249
chloroplast genetics, ribulose-bisphosphate carboxylase 2355
gene expression
ethylene 6418
glutamate-ammonia ligase 6418
superoxide dismutase 1272
genetic transformation 5480
in vitro culture 1040
nucleotide sequences
ribulose-bisphosphate carboxylase 2355
superoxide dismutase 1272
restriction fragment length polymorphism 5875
ribosomal DNA 4155
tissue culture, somatic embryogenesis 486, 3709
Hexoses
utilization
organic acids, production, microorganisms, reviews 5440
solvents, production, microorganisms, reviews 5440
High mobility group proteins
chromatin
gene expression, embryos, mice 4589
gene mapping, restriction fragment length polymorphism, mice 4589
nucleotide sequences, mice 4589
nucleotide sequences, mice 3964
Histamine
receptors
gene expression
guineapigs 5048
rats 181, 5048
nucleotide sequences
guineapigs 5048
rats 181
Histidine decarboxylase
gene expression, *Lycopersicon esculentum* 1279
nucleotide sequences, *Lycopersicon esculentum* 1279
Histocompatibility antigens
gene mapping
microsatellites, mice 1426
restriction fragment length polymorphism, mice 1426
transgenics, T lymphocytes, antigen recognition, mice 4416
Histology, tissue culture, *Pelargonium domesticum* 6658
Histones
acetylation, X chromosome, inactivation, mice 363
DNA binding proteins, *Zea mays* 276
DNA footprinting, *Zea mays* 276
gene expression
Antirrhinum majus 5204
Lycopersicon esculentum 5199
Oryza sativa 1368
Pisum sativum 3573
Triticum aestivum 1362, 1368, 5228, 6714
Zea mays 276-277
genetic engineering, *Triticum aestivum* 1368
genetic transformation
Helianthus annuus 5228
Oryza sativa 1368
linkage, fowls 6471
molecular genetics, crops 5631
nucleotide sequences
crops 5631
Entamoeba histolytica 64

Histones *cont.*
nucleotide sequences *cont.*
fishes 1768
Lycopersicon esculentum 5199
promoters
Triticum aestivum 1368
Zea mays 276-277
pseudogenes, nucleotide sequences, rats 654
Histopathology, immunological techniques, *Xanthomonas campestris* pv. *vesicatoria, Capsicum* 425
Histoplasma capsulatum, resistance, genes, mice 4430
Homeo box
gene expression
Arabidopsis thaliana 281, 860
Oryza sativa 860
genetic transformation, *Arabidopsis thaliana* 860
nucleotide sequences
Arabidopsis thaliana 281
Oryza sativa 860
promoters, *Arabidopsis thaliana* 860
Homeotic genes
gene expression 1344
Antirrhinum 1909
Arabidopsis thaliana 345, 1909, 4631
Glycine max 4546
Lycopersicon esculentum 4018, 4104
Nicotiana tabacum 287, 340, 3482
Petunia 309
Petunia hybrida 2427
plants 5783, 5823
Zea mays 340, 1832
genetic engineering
Arabidopsis thaliana 345
Petunia hybrida 2427
plants 3574
Zea mays 340
genetic transformation
Lycopersicon esculentum 4018, 4104
Nicotiana tabacum 340, 3482
molecular genetics
Antirrhinum 1909
Arabidopsis thaliana 1909
plants 3574
mutations, *Arabidopsis thaliana* 4631
nucleotide sequences
Arabidopsis thaliana 224
Glycine max 4546
Lycopersicon esculentum 4018
Nicotiana tabacum 3482
Zea mays 1832
promoters
Lycopersicon esculentum 4104
Petunia 309
Homospermidine synthase
tissue culture
Eupatorium cannabinum 3700
Senecio vulgaris 3700
Hordein
DNA hybridization, *Hordeum vulgare* 929
gene expression, *Hordeum vulgare* 319
gene mapping, *Hordeum vulgare* 929, 4723
genetic transformation, *Hordeum vulgare* 319
nucleotide sequences, *Hordeum vulgare* 1831
promoters, *Hordeum vulgare* 319
restriction fragment length polymorphism, *Hordeum vulgare* 4723
Hordeum
anther culture, regenerative ability 6684
DNA hybridization
ribosomal DNA 4169
taxonomy 4151
gene mapping, taxonomy 4151
random amplified polymorphic DNA, taxonomy 4168
restriction fragment length polymorphism 5913
repetitive DNA 6506
ribosomal DNA 6506
taxonomy 6506
Hordeum californicum, gene mapping 5264
Hordeum chilense, genetic transformation, techniques 4388
Hordeum murinum, protoplasts, regeneration 3751
Hordeum spontaneum
gene mapping, ribosomal DNA 4721
polymerase chain reaction 2012
random amplified polymorphic DNA 923
restriction fragment length polymorphism 4735, 5913
ribosomal DNA 4721
Hordeum vulgare
anther culture 2140, 3242, 4318
Erysiphe graminis 6187
fertility 3762
glucose 6691
haploidy 2669, 3762
isoenzymes 520
regeneration 6187
sucrose 6691
antibodies, catalase 4775
cell culture
β-glucanase 2644
regeneration 6626
chloroplast genetics
chlorophyll 4621
leaves 5773
light 6365, 6397
photosystem II 6365, 6396-6397
ribosomes 5773
ribulose-bisphosphate carboxylase 6397
DNA hybridization
hordein 929
techniques, B-hordein 3098
DNA replication, kinetin 4648
embryo culture, regeneration 6626
gene expression
abscisic acid 304
Agrobacterium 2776
Agrobacterium tumefaciens 1676
alanine transaminase 4902
amylase inhibitors 1270
α-amylase 865, 2475, 6421
anaerobic conditions 5697
anoxia 4902, 5697
auxins 2776
calcium binding proteins 5632
calreticulin 5632
catalase 4775
chitinase 3892
chlorophyll 4621
chlorophyll *a/b* binding protein 1876
chloroplast genetics 1335
chlorosis 4099
circadian rhythm 1876, 3021
cold 1805, 6101
cold resistance 3791
development 346
dihydrokaempferol 4-reductase 1930
DNA binding proteins 2475
dormancy 4067
elongation factors 1252
embryology 6273
Erysiphe graminis 1176, 3892, 4108, 6176
Erysiphe graminis f.sp. *hordei* 6250
gibberellins 304, 2475, 6421
β-glucanase 849, 1917, 3911
glutamate synthase 2347
gynoecium 5632
haemoglobin 5697
heat shock proteins 1614
hordein 319
kinetin 5821
leaves 273, 5773
lectins 6374
Leptosphaeria nodorum 3911
light 3021, 5236, 5821, 6365, 6397
lipid transfer proteins 1822
methyl jasmonate 332
nitrite reductase 5236
nitrogen 319
oleosins 4067
pathogenesis-related proteins 3892, 6176, 6250
peroxidases 3892, 3911, 4108
phenylalanine ammonia-lyase 3892
photosystem II 6365, 6396-6397
plant embryos 6273
prolamins 319
ribosomal DNA 3029, 5821
ribosome inactivating proteins 3906
Hordeum vulgare *cont.*
gene expression *cont.*
ribosomes 5773
ribulose-bisphosphate carboxylase 4110, 6397
senescence 273
stress 304, 6101
sucrose synthase 1269
thioneins 5637
thionins 3911
trypsin inhibitors 1883
wounding 6176
gene mapping 4166, 5263, 5276, 5279, 5281, 5289-5290, 5308
aminopeptidases 4723
α-amylase 4723
amylase inhibitors 1270
calcium binding proteins 5632
calreticulin 5632
esterases 4723
glucose-1-phosphate adenylyltransferase 4175
growth period 4154
gynoecium 5632
height 4154
hordein 929, 4723
lipid transfer proteins 1822
Puccinia striiformis 5525
quantitative traits 3636
ribosomal DNA 4172, 4707, 4721
water soluble proteins 4723
genetic engineering
Agrobacterium 2776
α-amylase 865
reviews 5847
auxins 2776
development 346
hordothionins 3361
lectins 6374
pathogenesis-related proteins 3361
quality, reviews 4421
ribosome inactivating proteins 3906
thioneins 5637
trypsin inhibitors 1883
genetic transformation 301, 3348, 3863
Agrobacterium tumefaciens 1676
dihydrokaempferol 4-reductase 2465, 1930
Erysiphe graminis 1176
β-glucanase 1917, 2644
hordein 319
nitrogen 319
prolamins 319
techniques 4945
trypsin inhibitors 1883
induced mutations, dihydrokaempferol 4-reductase 2465
mitochondrial genetics
leaves 5773
ribosomes 5773
molecular genetics
α-amylase 3555
host parasite relationships, brome mosaic bromovirus 123
quality, reviews 4421
replication, brome mosaic bromovirus 123
ribosomal DNA 3029
RNA 351
mutations, lectins 6374
nucleotide sequences
adenosinetriphosphatase 5095
alanine transaminase 4902
amylase inhibitors 1270
β-amylase 6331
anoxia 4902
calcium binding proteins 5632
calreticulin 5632
chlorosis 4099
cold 1805
development 346
dihydrokaempferol 4-reductase 2465
dormancy 4067
elongation factors 1252, 5695
embryology 6273
Erysiphe graminis f.sp. *hordei* 4002
ferrochelatase 6292
germin 5654
glutamate-ammonia ligase 1268
glutamate synthase 2347
gynoecium 5632

Hordeum vulgare *cont.*
nucleotide sequences *cont.*
haemoglobin 5697
heat shock proteins 4015
hordein 1831
lipid transfer proteins 1822
oleosins 4067
pathogenesis-related proteins 6250
plant embryos 6273
salinity 5654
serpin 1281
sucrose synthase 1269
thioneins 5637
ovule culture
fertilization 6055
regenerative ability 6055
techniques 6055
polymerase chain reaction 3090
ribosomal DNA 4707
promoters
Agrobacterium 2776
α-amylase 2475, 6421
auxins 2776
DNA binding proteins 2475
gibberellins 2475, 6421
β-glucanase 1917
hordein 319
nitrogen 319
prolamins 319
trypsin inhibitors 1883
protoplasts
fertilization 6055
regeneration 1036, 3184, 6626
regenerative ability 6055
techniques 3184, 6055
random amplified polymorphic DNA 383, 5289
growth period 4154
haploidy 2669
height 4154
malting quality 3629
quantitative traits 3629
techniques 6508
restriction fragment length polymorphism 401, 927, 3090, 4166, 4171, 5281, 5287, 5289, 5913
aminopeptidases 4723
α-amylase 4723, 5898
chloroplast genetics 4728
esterases 4723
glucose-1-phosphate adenylyltransferase 4175
growth period 4154
haploidy 2669
height 4154
hordein 4723
mitochondrial genetics 4728
Puccinia graminis f.sp. *tritici* 6186
Puccinia striiformis 5525
ribosomal DNA 4721
water soluble proteins 4723
somaclonal variation 383
tissue culture 1539
sugars 4291
Hordothionins
gene expression, *Nicotiana tabacum* 3361
genetic engineering, *Hordeum vulgare* 3361
genetic transformation, *Nicotiana tabacum* 3361
Hormonal control
casein, promoters, gene expression, mice 790
gene expression, reviews 785
β-lactoglobulin, promoters, gene expression, mammary glands, mice 4963
Hormones
effects, somatotropin, gene expression, transgenics, mice 3780
receptors, isolation techniques 672
red pigment concentrating
gene expression, crabs 4512
nucleotide sequences, crabs 4512
secretion, ovaries, granulosa cells, cell lines, mice 5381
somatotropin, blood, cattle, lactation 4342
Horns, development, gene mapping, linkage, microsatellites, cattle 3591
Horses
African horse sickness virus, detection, polymerase chain reaction 3153
Borrelia burgdorferi, detection, ELISA 3141
bovine papillomavirus
detection, skin diseases 76
nucleotide sequences, skin diseases 76
DNA fingerprinting, paternity 371
ELISA, detection, ferritin 2582
embryo transfer
oviducts, *in vitro* development 2070
pregnancy rate 4788
embryos, vitrification 6596
oocytes, *in vitro* maturation 4241
reviews 1523
uterus, *in vitro* development 2070
embryos
cells, structure, embryos, freezing 3678
freezing, cryoprotectants, glycerol 3678
in vitro development
culture media 4788
ovaries, tissues 2070
superovulation 4879
uterus, tissues 2070
vitrification, *in vitro* development 6596
ferritin, nucleotide sequences 4524
gene mapping 1422
major histocompatibility complex
haplotypes, nucleotide sequences 1230
nucleotide sequences 3944, 6224
microglobulins, nucleotide sequences 1767
molecular genetics, pathogenesis, equine encephalomyelitis virus 5520
oestrus
synchronization
gonadotropins 5427
prostaglandins 5427
oocytes
in vitro maturation 6049
gonadotropins 3239
oestrogens 3239
ovaries, granulosa cells 6663
techniques, oocytes, collection 2119
ovulation, induction, FSH, LH, separation 524
parentage
DNA fingerprinting 3076
satellite DNA 936
repetitive DNA
parentage 4683
restriction fragment length polymorphism 3594, 4670, 4674, 6456-6457
satellite DNA
gene mapping, DNA hybridization 3617
nucleotide sequences 3617
sex diagnosis, fetus, ultrasonics 2600
superovulation, FSH, LH, separation 524
T-complex
homologues
gene mapping, linkage 2520
restriction fragment length polymorphism, linkage 2520
transferrin
nucleotide sequences 3937
polymorphism 5021
vesicular stomatitis virus, detection, ELISA 3137
Horticultural crops, conferences 554
Horticulture
genetic engineering 3301
tissue culture 3301
Host parasite relationships, molecular genetics, brome mosaic bromovirus, *Hordeum vulgare* 123
HPLC
DNA, restriction fragments, purification, techniques 955
glutenins, *Triticum aestivum* 1440
Human immunodeficiency virus
gene expression, transgenics, brain, pathology, mice 1695
Human immunodeficiency virus *cont.*
transgenics, immunological deficiency, mice 2809
Humidity, tissue culture, *Pelargonium hortorum* 1575
Humulus lupulus
cell culture 6022
genetic engineering 6022
protoplasts 6022
somaclonal variation 6022
tissue culture 6022
Hungary
conferences
Oilseed technology and utilization
enzyme preparations 6081
feed additives 6081
probiotics 6081
research
biotechnology, livestock 3692
embryo transfer, livestock 3691
Hyacinthus orientalis
anther culture 518
ovule culture 518
Hyalophora cecropia
gene expression, cuticle 6189
molecular genetics, cuticle 6189
Hybrid varieties, biotechnology 2157
Hybridization
embryo culture, *Populus* 4839
germ cells, fusion, targeted mutagenesis, embryos, mice 3421
Hybridomas, monoclonal antibodies, production, *Francisella tularensis* 5012
Hydrocortisone, immunization, female fertility, sheep 2154
Hydrogen peroxide, gene expression, *Nicotiana tabacum* 3016
Hydrogen sulfide
gene expression, *Nicotiana tabacum* 2179
genetic transformation, *Nicotiana tabacum* 2179
Hydrogenase
cloning, *Rhizobium* 5562
restriction analysis, *Rhizobium* 5562
(*S*)-2-hydroxy-acid oxidase
nucleotide sequences, *Cucurbita* 5703
transcription factors, *Cucurbita* 5703
***p*-hydroxybenzoate geranyltransferase,** cell culture, *Lithospermum erythrorhizon* 3752
Hydroxymethylbilane synthase
chloroplast genetics, *Pisum sativum* 1931
gene expression, *Pisum sativum* 1931
polymerase chain reaction, *Pisum sativum* 1931
Hydroxymethylglutaryl-CoA reductase
gene expression
Camptotheca acuminata 1878
Nicotiana tabacum 1878
Oryza sativa 6295
Parthenium argentatum 1342
plants 1332
Solanum tuberosum 6364
genetic transformation, *Nicotiana tabacum* 1878
nucleotide sequences
Oryza sativa 6295
Triticum aestivum 202
promoters
Camptotheca acuminata 1878
plants 1332
reporter genes, gene expression, transgenics, mice 3527
Hydroxyphenylamines, tissue culture, *Nicotiana tabacum* 1563
Hydroxyproline, *in vitro* selection, *Vigna radiata* 3929
Hydroxyproline-rich proteins
gene expression 5801
Zea mays 1897, 5801
genetic engineering 5801
genetic transformation, *Zea mays* 5801
promoters 5801
Hydroxypyruvate reductase, gene expression, *Cucumis sativus* 2429
3β-Hydroxysteroid dehydrogenase, gene expression, mice 3940
20α-Hydroxysteroid dehydrogenase, gene expression, rabbits 677
3β-Hydroxysteroid dehydrogenase
gene expression, rats 5609

3β-Hydroxysteroid dehydrogenase *cont.*
nucleotide sequences, mice 3940
20α-Hydroxysteroid dehydrogenase, nucleotide sequences, rabbits 677
3β-Hydroxysteroid dehydrogenase, nucleotide sequences, rats 5609
Hygromycin phosphotransferase
RNA, alternative splicing, *Lycopersicon esculentum* 5838
transcription, *Lycopersicon esculentum* 5838
Hymenoscyphus ericae, RNA, genetic relationships 166
Hyoscyamine
tissue culture
Datura 6204
Datura stramonium 147, 4456
Hyoscyamine (6*S*)-dioxygenase
gene expression
Atropa belladonna 6276
Hyoscyamus niger 6276
Nicotiana tabacum 6276
genetic engineering, *Hyoscyamus niger* 3389, 6276
genetic transformation
Atropa belladonna 6276
Hyoscyamus niger 6276
Nicotiana tabacum 6276
nucleotide sequences, *Hyoscyamus niger* 6276
promoters, *Hyoscyamus niger* 6276
Hyoscyamine (*S*)-dioxygenase, genetic transformation, *Atropa belladonna* 3389
Hyoscyamus albus
genetic transformation
Agrobacterium rhizogenes 2283, 3393
alkaloids 2283
opines 2283
in vitro culture, tropane alkaloids 3393
protoplast fusion, interspecific hybridization, regeneration 6156
tissue culture
Agrobacterium rhizogenes 2283
alkaloids 2283
opines 2283
Hyoscyamus muticus
bioreactors, solavetivone 1191
cell culture
auxin binding proteins 5981
glutathione transferase 5981
Rhizoctonia solani 150
solavetivone 150
genetic transformation
Agrobacterium 1191
Agrobacterium rhizogenes 4993
protoplast fusion 1685
interspecific hybridization, regeneration 6156
tissue culture
solavetivone 1191
tropane alkaloids 4993
Hyoscyamus niger
gene expression, hyoscyamine (6*S*)-dioxygenase 6276
genetic engineering, hyoscyamine (6*S*)-dioxygenase 3389, 6276
genetic transformation, hyoscyamine (6*S*)-dioxygenase 6276
nucleotide sequences
hyoscyamine (6*S*)-dioxygenase 6276
tropinone reductases 4551
promoters, hyoscyamine (6*S*)-dioxygenase 6276
Hypericum patulum, tissue culture, xanthones 4458
Hyperlipoproteinaemia, animal models, transgenics, mice 38
Hypertension, animal models, books 5466
Hypoderma lineatum, ELISA, detection, cattle 4772
Hypophysation, spawning, induction, fishes 4326, 5423
Hypotaurine
epinephrine
embryos, *in vitro* development, cattle 5365
in vitro fertilization, oocytes, cattle 5365
Hypothalamic releasing hormones
somatotropin
gene transfer
pigs 6163
rabbits 6163
Hypothyroidism, thyrotropin, receptors, nucleotide sequences, mutations, mice 4494
Hypoxanthine, oocytes, *in vitro* maturation, mice 1043
Hypoxanthine phosphoribosyltransferase
embryos, sex diagnosis, cattle 452
targeted mutagenesis, embryonic stem cells, mice 3927
Hypoxia
cloning, *Petunia hybrida, Zea mays* 1617
gene expression
Petunia hybrida, Zea mays 1617
plants, reviews 4903
Zea mays 5121, 6351
nucleotide sequences, *Zea mays* 5121
Hypoxylon mammatum, *in vitro* selection, *Populus* 2296
IAA
cell culture, *Petunia* 466
gene expression, *Pisum sativum* 3542
tissue culture, *Prunus avium* 493
ICGEB, biotechnology, organization of research 1650
Identification
DNA probes
mycorrhizal fungi 429
rust fungi 429
Mycobacterium, polymerase chain reaction 1507
IIRSDA, biotechnology, organization of research 1651
Image processing, tissue culture, *Daucus carota* 2172
Image processors
DNA sequencing
pulsed field electrophoresis, computer software, techniques 4753
techniques 756
Imazethapyr, immunological techniques, soil 423
Imidazoleglycerol-phosphate dehydratase
gene expression, *Arabidopsis thaliana* 6317
nucleotide sequences, *Arabidopsis thaliana* 6317
Immune response
bacterial diseases, targeted mutagenesis, mice, reviews 6211
ELISA, detection, *Trypanosoma cruzi,* dogs 4223
glycoproteins, T lymphocytes, targeted mutagenesis, mice 3400
immunoglobulins, targeted mutagenesis, embryonic stem cells, mice 2865, 5007
interleukins
gene transfer, vectors, vaccinia virus, mice 4934
targeted mutagenesis
mice 4934
pathogens, mice 3922
major histocompatibility complex, transgenics, mice 4415
protein-tyrosine kinase, targeted mutagenesis, embryonic stem cells, mice 3923
protozoal infections, targeted mutagenesis, mice, reviews 6211
selection, restriction fragment length polymorphism, fowls 3074
viruses, interferon, receptors, targeted mutagenesis, mice 6214
Immune tolerance, self tolerance, egg proteins, lysozyme, transgenics, T lymphocytes, mice 3339
Immunity, stimulation, antisense DNA, mice 2867
Immunization
adipocytes, membranes, body composition, laboratory mammals, reviews 4329
haemagglutinins
influenzavirus
fowls 2207
mice 2207
Immunization *cont.*
recombinant vaccines, *Trichinella spiralis,* mice 4979
somatostatin, growth, livestock, reviews 4329
Streptococcus pneumoniae, transgenics, mice 4411
Immunoassay
detection, plum pox potyvirus 3372
reviews 4232
Immunodiagnosis
ELISA
parasites 1505
Toxoplasma gondii, goats 1469
Immunoglobulins
anti-DNA antibodies, transgenics, B lymphocytes, anergy, mice 3878
binding proteins
gene expression, mice 684
nucleotide sequences, mice 684
class switching, lymphocyte antigens, transgenics, mice 2806
DNA libraries, fishes 6238
DNA replication, initiation, mice 787
enhancers
transcription, lymphocytes, mice 6340
transcription factors, mice 1859
gene conversion, pseudogenes, B lymphocytes, fowls 5745
gene expression, transgenics, mice, reviews 30, 3872
gene mapping, DNA hybridization, buffaloes 1946
gene transfer, yeast artificial chromosomes, embryonic stem cells, liposomes, mice 3326
genes, zinc finger, mitotic recombination, nucleotide sequences, mice 1235
glycoproteins, nucleotide sequences, dogs 4514
introns, splicing, gene expression, mice 3508
isotype switching, targeted mutagenesis, embryonic stem cells, mice 621
marker genes, linkage, pigs 3075
matrix associated regions, transcription, lymphocytes, mice 6340
mitotic recombination
mice 1868
transgenics, mice 2394
molecular genetics, fishes 3951
nucleotide sequences
fishes 176
mink 685
rats 3974
sheep 648
polymerase chain reaction, mice 2565
promoters, DNA binding proteins, mice 4063
receptors
gene mapping, cells, fusion, cattle 6478
restriction fragment length polymorphism, cattle 6478
recombination
DNA methylation, mice 5726
isotype switching, mice 4591
nucleotide sequences, cell lines 182
restriction fragment length polymorphism
cattle 3587
disease resistance, helminthoses, sheep 4120
sheep 4517
secretion, transgenics, cell lines 2881
somatic mutations
gene expression
mice 4064
transgenics, mice 588
mice 4058
nucleotide sequences, B lymphocytes, mice 3528
transgenics, mice 595, 3328
targeted mutagenesis
disease resistance, viruses, mice, reviews 2860
embryonic stem cells
gene expression, B lymphocytes, mice 5006
immune response, mice 2865, 5007
mice 614, 2288

Immunoglobulins *cont.*
transcription
B lymphocytes, differentiation, mice 3519
enhancers, DNA methylation, B lymphocytes, mice 4047
mice 3520
Immunological deficiency
human immunodeficiency virus, transgenics, mice 2809
interleukins, targeted mutagenesis, embryonic stem cells, mice 2864
targeted mutagenesis, mice, reviews 2821
Immunological diseases
interleukins, transgenics, mice 591
mutations, antigens, tumour necrosis factor, mice 4149
transforming growth factor, targeted mutagenesis, embryonic stem cells, mice, reviews 3403
Immunological techniques
anthocyanins, *Zea mays* 5962
bamboo mosaic potexvirus, *Bambusa* 437
books 6741
Clavibacter xyli subsp. *xyli, Saccharum officinarum* 445
DNA, *Zea mays* 5962
electrophoresis, books 6747
embryogenesis, *Pisum sativum* 5964
gene expression
Arabidopsis thaliana 6356
Pisum sativum 6441
plants 1333
glycoproteins, *Solanum tuberosum* 6590
gynoecium, *Solanum tuberosum* 6590
herbicides, soil 423
histopathology, *Xanthomonas campestris* pv. *vesicatoria, Capsicum* 425
imazethapyr, soil 423
mycoplasma-like organisms
Cynodon dactylon 444
Saccharum officinarum 444
pea seed-borne mosaic potyvirus, *Pisum sativum* 5964
pesticides 449
plant pathogens 439
proteins, plants 1326
seeds, *Pisum sativum* 5964
tomato spotted wilt tospovirus, *Frankliniella occidentalis* 446
ultraviolet radiation, *Zea mays* 5962
Xanthomonas albilineans, Saccharum officinarum 432
Immunology
books 4370
disease resistance, genetic engineering, reviews, livestock 5351
disulfide isomerase
Glycine max 2473
Medicago sativa 2473
Nicotiana tabacum 2473
G proteins, *Arabidopsis thaliana* 2483
N-methylputrescine oxidase, *Nicotiana tabacum* 4097
Imprinting
DNA methylation, mammals, reviews 5179
genes
DNA methylation, mice 5717
mice 5258
ribonucleoproteins, gene mapping, restriction fragment length polymorphism, mice 4676
genomes, chromosome maps, mice 2493
insulin-like growth factor, molecular genetics, mice 263
***In vitro* culture**
alkaloids, *Ephedra* 610
antifeedants, *Ajuga* 4812
aromatic compounds, plants 5540
artificial seeds, conifers 2075
Beta vulgaris 1570
Carica papaya 1040
cells, animals, books 4369
chitinase, *Fusarium solani* 3908
Cordyline fruticosa 4820
cryopreservation
Abies nordmanniana 1562
Asparagus officinalis 3747
Lonicera caerulea 3747
Malus pumila 3747
***In vitro* culture** *cont.*
cryopreservation *cont.*
Prunus avium 3747
Pyrus 3747
Vaccinium corymbosum 3747
Dianthus caryophyllus 3783
education, plants, books 3834
embryogenesis, plants 2117
embryonic development, culture media, cattle 3690
embryonic stem cells, pigs 6592
***In vitro* culture,** embryos, culture media, cattle 4854
***In vitro* culture**
embryos
germ cells, growth factors, mice 959
in vivo development, mice 5368
spleen necrosis virus
gene transfer
mice 6131
pigs 6131
endangered species 5992
ethylene
Brassica 1566
Fragaria 3714
Malus 3714
Prunus 3714
Vitis 3714
flavonoids, *Fagopyrum esculentum* 3398
flavour enhancers, plants, reviews 2275
flavourings, plants, reviews 2275
folylpolyglutamate, *Datura fastuosa* 5010
fragrance, plants, reviews 2275
gene expression, *Nicotiana glauca* 6254
genetic resources, plants 4250
β-glucanase, *Fusarium solani* 3908
Hevea brasiliensis 1040
Ipomoea batatas 1038
medicinal plants 3289
methotrexate, *Datura fastuosa* 5010
minerals, plants 4299
molecular genetics, fertilization, *Zea mays* 2158
Musa 1040
nucleotide sequences, *Nicotiana glauca* 6254
Olea europaea, reviews 2105
on oviduct cells, embryos, sheep 2607
phenolic compounds
Fagopyrum esculentum 3398
Theobroma cacao 2281
plants 1564, 3289, 6140
books 4919
reviews 4847
pollen, *Nicotiana tabacum* 3196
pollen germination, *Nicotiana tabacum* 4320
regeneration
Asplenium nidus 1054
cereals 3731
Leucojum aestivum 6024
Lilium rhodopaeum 6024
Solanum tuberosum 3749, 6617
somatic embryogenesis
conifers 2075
Datura innoxia 502
plants 2117
spermatogenesis, meiosis, cell lines, immortalization 2666
spice plants 3698
statistics, plants 6619
techniques, books 2194
Triticum aestivum 3215
Triticum spelta 3215
tropane alkaloids, *Hyoscyamus albus* 3393
Tsuga heterophylla 4818
Vitis vinifera, reviews 2111
***In vitro* development**
blastomere, nuclei, transfer, cattle 5974
embryo transfer
oviducts, horses 2070
uterus, horses 2070
embryos
amino acids, cattle 4308
androgenesis, mice 1046
betaine, mice 1041
biopsy, cattle 4243
blastomere, biopsy, mice 958
blood proteins, cattle 973, 6605-6606
***In vitro* development** *cont.*
embryos *cont.*
blood serum
cattle 4797, 5363, 5374, 6605
sheep 4236
breed differences, cattle 1513
catalase, rabbits 5364
cats 6604
cattle 980
chimaeras, cattle 3228
chromosome translocation, cattle 4790
cryoprotectants
cattle 6609
ethylene glycol, goats 2048
glycerol, goats 2048
mice 974
culture media
amino acids
cattle 3233
sheep 4236
blood serum, cattle 5969
cattle 961, 4782, 4848
composition, cattle 4245
energy sources, cattle 3233
glucose, rats 4794
goats 1528
guineapigs 1531
horses 4788
mammals 2063, 3161
mice 1526-1527, 2066
osmolarity, rats 4794
phosphate
cattle 3233
rats 4794
pigs 5404
potassium, mice 5361
rats 4796
sheep 4244
sodium fluoride, mice 3689
storage, mice 1529
vitamins, sheep 4236
volume, cattle 6594
cumulus cells, cattle 981, 1534
cytoplasm, volume, mice 4785
DNA
injection
cattle 1534, 4784
culture media, pigs 5967
pigs 5382
embryos
blastomere, electrofusion, cattle 2045
freezing
cattle 6609
mice 2067, 3682, 5366
splitting, goats 2605
vitrification, sheep 3675
energy sources, cattle 5972
epidermal growth factor, cattle 4787
ethylene glycol, pigs 4805
follicular fluid, man, sheep 5411
foxes 2057
freezing
cats 6604
cattle 4325, 5362, 5373
cryoprotectants, cattle 5378
culture media, mice 4798
sheep 4802, 6602
straws, size, mice 4798
FSH, cattle 1582
fusion
culture media, mice 6610
electric current, mice 6610
gametes, freezing, mice 3686
gaur 4858
glucose
cattle 967
mice 5965
glycerol, pigs 4805
granulosa cells, cattle 4781
growth factors
mammals 2063, 3161
pigs 5360
H-Y antigen, mice 4806
hypotaurine, epinephrine, cattle 5365
in vitro fertilization
cattle 4789
oocytes
culture media, cattle 2050
freezing, cattle 6601

***In vitro* development** *cont.*
embryos *cont.*
inositol, rabbits 5966
insulin, cattle 973, 5374
interferon, mice 1538
LH, cattle 1582
liver, cells, rats, cattle 4782, 4868
meiosis, stage, nuclei, transfer, sheep 4849
nuclei
transfer, mice 5375
ultrastructure, cattle 2058
number
cattle 4787, 6594
mice 4786
oestrogens, cattle 1582
oestrous cycle, cattle 1513
oocytes
activation, nuclei, transfer, sheep 4849
age, rats 3755
blastomere, fusion, cattle 4860
cumulus oophorus, cattle 4239
freezing
cattle 2126
in vitro maturation, mice 1516
mice 4867
fusion, embryonic stem cells, mice 512
in vitro fertilization
cattle 2129, 4869
goats 6670
in *vitro* fertilization, pigs 1052
in vitro maturation, cattle 6671
maturation, follicular fluid, cattle 4314
nuclei, transfer, cattle 981, 1514
quality, cattle 4857
recovery, techniques, cattle 5402
ova
centrifugation, pigs 5382
cumulus cells, cattle 6605
recovery, duration, hamsters 968
ovaries
granulosa cells, cattle 6666
tissues, horses 2070
oviducts
ampulla, mice, cattle 4792
cells
cattle 2046, 5969, 6605
sheep 4244
epithelium
cattle 981, 4782, 5367, 5370, 6666
laboratory mammals 2049
livestock 2049
llamas 4850
fluids
cattle 967, 6605
pigs 5360
oxygen
cattle 5367
hamsters 968
mammals 2063
rabbits 5364
sheep 4244
penicillamine, epinephrine, cattle 5365
pigs 4855
potassium, mice 2601
pregnancy, cattle 1513
propylene glycol, pigs 4805
prostaglandins, cattle 1521
proteins
cattle 5374
mammals 3161
mice 2062
proto-oncogenes, mice 3158
quality, cattle 3684, 4857
rabbits 6678
reindeer 4861
selenium, cattle 973, 5374
semen, freezing, cattle 965
sex differences, mice 977
sexual maturity, cattle 4239
sheep, culture, groups 4236
sires, cattle 972
sodium chloride
cattle 6600
mice 1041
somatic cells, mice, cattle 961

***In vitro* development** *cont.*
embryos *cont.*
spermatozoa, dilution, pigs 5380
splitting
cattle 4243
mice 2047
pigs 5377
strain differences, mice 1515
sucrose, pigs 4805
superovulation, horses 4879
superoxide dismutase
mice 4778
rabbits 5364
thiols, cattle 5379
transferrin, cattle 5374
transforming growth factor, cattle 4787
trypsin, cattle 5971
uterus
epithelium, cells, rats 4796
tissues, horses 2070
vitamins, cattle 4308
vitrification
cattle 966
cryoprotectants
ethylene glycol, mice 2061
raffinose, mice 454
sucrose, mice 454
horses 6596
pigs ö593
sheep 6602
zona pellucida
drilling, sheep 4240
removal, rabbits 6607
in vitro fertilization
oocytes
culture media, cats 2055
proteins, cats 2055
nuclei, transfer, oocytes, embryos, cattle 4237
oocytes
cattle 967, 6606, 6669
cumulus oophorus, cattle 6679
in vitro fertilization, cattle 6600
nuclei, transfer, cattle 5974
oviducts, epithelium, llamas 4850
semen diluents, cattle 965
spermatozoa, epididymis, llamas 4850
parthenogenesis, induction, oocytes, cattle 2125
transgenics, fowls 2232
trophoblast, laminins, mice 5372

***In vitro* fertilization** (*see also* Fertilization)
bicarbonates, cattle 4871
calcium, rats 1578
cattle 3241
culture media, mice 2066
embryo transfer, cattle, Greece 2069
embryonic development, oviducts, cattle 2046
embryos
cats 6604
cattle 980
culture media, cattle 4854
detection
bovine diarrhoea virus 1141
bovine herpesvirus 1141
freezing, cattle, reviews 2051
in vitro development
camels 3229
cattle 2069, 4789
livestock, reviews 3235
oocytes
age, rats 3755
blood serum
cattle 4797
sheep 5411
breed differences, cattle 1513
caffeine, pigs 5970
casein, pigs 5970
cats 453
cattle 455, 961, 967, 2122-2123, 2129, 2609, 3228, 3237, 4787, 4792, 4868-4869, 5363, 5367, 5376, 5378, 6603, 6606, 6669
reviews 1520
chromosomes, ultrastructure, pigs 4865
culture media
calcium, spermatozoa, injection, mice 6668

***In vitro* fertilization** *cont.*
oocytes *cont.*
culture media *cont.*
cats 2055
cattle 4782, 4848
in vitro development, embryos, cattle 2050
cumulus oophorus
cattle 3230, 6679
expansion, mice 1579
embryo transfer, cattle 3226, 3240
embryonic development, cattle 507
embryos, *in vitro* development, cats 4862
freezing
cattle 2126, 6601
embryos, *in vitro* development, cattle 6601
hamsters 6050
mice 1516, 4867, 6050
FSH
cattle 1582
sheep 5411
gaur 4858
glutathione, pigs 1051
goats 6670, 6674
hypotaurine, epinephrine, cattle 5365
in vitro development
cattle 6600
culture media, cats 2055
proteins, cats 2055
in vitro maturation
buffaloes 3162
camels 3229
cats 4862
cattle 3234, 3240, 6671
culture media, pigs 5404
LH
cattle 1582
foxes 2121
sheep 5411
liver, cells, cattle 4782
nuclei
RNA, cattle 2127
ultrastructure, pigs 4865
oestrogens
cattle 1582
sheep 5411
oestrous cycle, cattle 1513
ovaries
follicular fluid, man, sheep 5411
granulosa cells, cattle 4851, 6666
oviducts
epithelium
cats 453
cattle 4782, 5365, 6666
llamas 4850
penicillamine, epinephrine, cattle 5365
pigs 1052, 2664, 3227, 4855
pregnancy, cattle 1513
proteins, cats 2055
quality, cattle 4857
recovery, techniques, cattle 5402
reindeer 4861
semen diluents, cattle 965
sires, cattle 972
spermatozoa
antigens, cattle 6060
capacitation, calcium, heparin, cattle 1582
concentration, pigs 1577
epididymis, llamas 4850
heparin, cattle 972
incubation, duration, cattle 4869
injection, mice 4306, 6668
motility, cattle 1580
swim-up test, cattle 6048
theophylline, cattle 2134
ova
cattle 980
embryos, *in vitro* development, cattle 5971
hatching, fowls 6068
in vitro maturation, culture media, caffeine, cattle 4789
pigs 2664
rabbits 6678
recovery, duration, hamsters 968
spermatozoa
acrosome reaction, pigs 1581

***In vitro* fertilization** *cont.*
ova *cont.*
spermatozoa *cont.*
concentration, pigs 1042
plasminogen activator, mice 509
spermatozoa
freezing, mice 3756
inactivation, cattle 2120
***In vitro* maturation**
in vitro fertilization
oocytes
buffaloes 3162
cats 4862
oocytes
activin, cattle 5413
adenosine, analogues, cattle 5403
amniotic fluid, cattle 4866
androstenedione, pigs 2131
angiotensin, rabbits 2135
blood serum
cattle 4866
pigs 5409
sheep 5411
buffaloes 2667
c-AMP, cattle 5407
caffeine, pigs 5970
carbon dioxide, cattle 2130
casein, pigs 5970
cats 453
cattle 455, 961, 2123, 2609, 3241, 4787, 4792, 4868-4869, 5363, 5367, 5376, 5378
reviews 1520
cooling, physical properties, cattle 2128
culture media
cats 2055
cattle 4782, 4848
pigs 5409
dimethyl sulfoxide, cattle 6664
epidermal growth factor, pigs 2131
fishes 6676
follicular fluid, cattle 4866
freezing
mice 1516
physical properties, cattle 2128
FSH
cattle 1582
pigs 2131, 3227, 4852
sheep 5411
gaur 4858
glutathione, pigs 1051
goats 6670, 6673-6674
gossypol, cattle 4864
horses 6049
in follicles, pigs 6044
in vitro fertilization, culture media, pigs 5404
LH
cattle 1582
foxes 2121
pigs 2131, 3227, 4852
sheep 5411
liver, cells, cattle 4782
oestrogens
cattle 1582
pigs 2131
sheep 5411
ovaries
corpus luteum, pigs 5409
follicles, dimensions, goats 5406
follicular fluid
cattle 4870
man, sheep 5411
granulosa cells
cattle 4851, 6666
horses 6663
oviducts, epithelium, cattle 4782, 6666
parthenogenesis, induction, ethanol, cattle 2125
pigs 1052, 3237, 4855
prolactin, pigs 4852
proteins
cats 2055
synthesis, inhibitors, cattle 5407
quality, cattle 4857
recovery, techniques, cattle 5402
reindeer 4861, 6045
sheep 3241
spermatozoa, penetration, cattle 6664

***In vitro* maturation** *cont.*
oocytes *cont.*
techniques, oocytes, collection, horses 2119
transforming growth factor, pigs 2131
ova, cattle 980
***In vitro* selection**
acetolactate synthase
Brassica napus 2271
Nicotiana tabacum 2298
Alternaria solani
Lycopersicon 6191
Lycopersicon esculentum 6191
Solanum tuberosum 3412, 3894
aluminium, *Medicago sativa* 163
anthocyanins, *Vitis vinifera* 2877
atrazine, *Solanum tuberosum* 2272
bamboo mosaic potexvirus
Arundinaria pygmaea 6633
Bambusa multiplex 6633
Bambusa oldhami 6633
Phyllostachys aurea 6633
Beta vulgaris
fodder beet 1576
sugarbeet 1576
bilanafos, *Zea mays* 3854
chlorosis, *Vitis* 2174
chlorsulfuron
Brassica napus 2271
Nicotiana tabacum 2298
chromosome number, *Allium sativum* 2880
cold resistance
Beta vulgaris 5447
Lolium perenne 6713
Vitis 5011
Coryneum populinum, Populus 3377
cytoplasmic male sterility, *Zea mays* 5558
Datura fastuosa 3931
deoxynivalenol, *Triticum aestivum* 2872
diseases
plants 3416
temperate fruits 1710
DNA content, *Allium sativum* 2880
drought resistance, *Zea mays* 4354
Fusarium culmorum, Triticum aestivum 2872
Fusarium oxysporum
Dianthus caryophyllus 622
Musa 6192
Gibberella zeae
triticale 1718
Triticum aestivum 2872
glufosinate, *Zea mays* 3854
herbicides, *Solanum tuberosum* 2272
hydroxyproline, *Vigna radiata* 3929
Hypoxylon mammatum, Populus 2296
kanamycin, *Petunia hybrida* 4619
mannitol, *Vigna radiata* 624
methomyl, *Zea mays* 5558
N-methyl-*N*-nitrosourea, *Alhagi kirghisorum* 2878
Murothecium roridum, Cucumis melo 5008
mutagens, *Alhagi kirghisorum* 2878
pathogenesis-related proteins
Malus pumila 1720
temperate fruits 1710
triticale 1718
pesticide resistance, *Zea mays* 5558
Phytophthora cactorum, Malus pumila 1720, 2303
Phytophthora fragariae, Fragaria ananassa 2306
plants 1198, 1755
pollen
Lycopersicon 6191
Lycopersicon esculentum 6191
polyethylene glycol, *Capsicum annuum* 6650
regenerative ability, *Eleusine coracana* 6220
salinity
Arundinaria pygmaea 6633
Bambusa multiplex 6633
Bambusa oldhami 6633
Ipomoea batatas 2873
Phyllostachys aurea 6633
plants 1196, 2309
Setaria italica 162

***In vitro* selection** *cont.*
salinity *cont.*
Vigna radiata 624, 3929
Zea mays 6104
Sclerospora graminicola, Pennisetum glaucum 3415
stress
Oryza sativa 540
reviews 2178
Vigna radiata 624
tillering, *Eleusine coracana* 6220
ultraviolet radiation, *Beta vulgaris* 2875
vomitoxin, triticale 1718
water balance, *Capsicum annuum* 6650
***In vivo* development**
embryos
HCG, sheep 4333
in vitro culture, mice 5368
progesterone, sheep 4333
Inbred strains, restriction fragment length polymorphism, strain differences, mice 3066
Inbreeding
restriction fragment length polymorphism
Glycine max 4173
Zea mays 4164
India
biogas, production, anaerobic digesters, design 3265
biotechnology 3298
organization of research 1650
patents 1085-1086
sustainability 3839
tissue culture 2097
Cocos nucifera 2099
Elaeis guineensis 2099
Elettaria cardamomum 2099
Induced mutations
Agrobacterium tumefaciens, Arabidopsis thaliana 2556
colchicine, *Brassica napus* 6685
dihydrokaempferol 4-reductase, *Hordeum vulgare* 2465
embryogenesis, *Theobroma cacao* 6623
Fulvia fulva, Lycopersicon esculentum 4712
gamma radiation, *Theobroma cacao* 6623
morphology, *Oryza sativa* 4496
ploidy, *Brassica napus* 6685
pollen, *Theobroma cacao* 6623
regeneration, *Arabidopsis thaliana* 6661
repetitive DNA, *Oryza sativa* 4708
ribosomal DNA, *Oryza sativa* 4708
salinity, *Setaria italica* 162
shoots, *Arabidopsis thaliana* 6661
somatic embryogenesis, *Asparagus officinalis* 5385
stearoyl-CoA desaturase, *Arabidopsis thaliana* 1293
temperature, *Arabidopsis thaliana* 6661
Infant formulae
genetic engineering
lactoferrin, milk 3814
lysozyme, milk 3814
Infection, prion protein, scrapie, transgenics, mice 5493
Infectious bronchitis virus
diagnosis, DNA probes, polymerase chain reaction, fowls 1489
serotypes, differential diagnosis, polymerase chain reaction 1490
strain differences, restriction fragment length polymorphism 1490
Infectious bursal disease virus, antigenic determinants, nucleotide sequences 80
Infertility, males, herpes simplex virus, thymidine kinase, transgenics, mice 4967
Inflammation
apolipoproteins, gene expression, dogs 1785
gene expression, interleukins, liver, rats 5184
targeted mutagenesis, integrins, mice 1752
Inflorescences
gene expression, *Zea mays* 1928
genetic transformation, *Triticum aestivum* 6147
tissue culture, *Allium cepa* 3730

Influenzavirus
haemagglutinins
immunization
fowls 2207
mice 2207
recombinant vaccines, fowls 2207
Information services
biotechnology, Brazil 1655
DNA 748, 750
Information systems, molecular genetics, reviews 6125
Inhibin
DNA, restriction fragment length polymorphism, gene frequency, breed differences, sheep 4681
gene expression, mammals, reviews 4066
immunization
lambing rate, sheep 4878
litter size
livestock, reviews 1591
sheep 4878
ovulation rate
livestock, reviews 1591
reviews
cattle 3248
sheep 3248
sheep 4878
superovulation
reviews
cattle 3248
sheep 3248
nucleotide sequences, cattle 3986
restriction fragment length polymorphism, cattle 6477
subunits, nucleotide sequences, granulosa cells, fowls 5617
targeted mutagenesis
eyelids, mice 3925
reproduction, mice 3925
transcription
c-AMP, cell lines 811-812
Sertoli cells, c-AMP, rats 811-812
Inhibitors
adenosinetriphosphatase
nucleotide sequences
liver, rats 5591
rats 4507
protein kinase
gene expression, mice 821
nucleotide sequences, mice 821
serine proteinase
gene expression, development, fowls 241
nucleotide sequences, fowls 241
Initiation factors
gene expression, rats 840
nucleotide sequences
rats 840
Triticum aestivum 3489
protein synthesis, gene mapping, DNA probes, mice 908
transcription, rats 840
Injuries
gene expression
Arabidopsis thaliana 5216
Bryonia cretica 290
Helianthus annuus 4637
Lycopersicon esculentum 326
Petunia hybrida 3577
Populus deltoides 1251
Populus trichocarpa 1251
Solanum tuberosum 6268
genetic transformation, *Oryza sativa* 51
nucleotide sequences
Populus deltoides 1251
Populus trichocarpa 1251
promoters, *Oryza sativa* 51
Inosine 5′-phosphate dehydrogenase, cell culture, *Catharanthus roseus* 4833
Inositol, embryos, *in vitro* development, rabbits 5966
Inositol trisphosphate
receptors
gene expression, rats 644
nucleotide sequences, rats 644
Insect resistance
genetic markers
Solanum berthaultii 4981
Solanum tuberosum 4981
restriction fragment length polymorphism
Solanum berthaultii 4981
Insect resistance *cont.*
restriction fragment length polymorphism *cont.*
Solanum tuberosum 4981
Insecticide resistance
γ-aminobutyric acid, mutations, animal models, *Drosophila melanogaster* 2171
molecular genetics, *Drosophila melanogaster* 6179
restriction fragment length polymorphism, *Culex pipiens* 4427
Insecticides
bioremediation
Phanerochaete chrysosporium 2697
Pseudomonas, Arthrobacter 2715
Insects
acetylcholine, receptors, nucleotide sequences 2919
cells
Baculoviridae
gene expression 2220
vectors, gene expression 2771
polypeptide *N*-acetylgalactosaminyltransferase, gene expression, Baculoviridae 5581
gene expression
Fragaria ananassa 2244
Malus pumila 2244
genetic engineering
crops 3369
Gossypium 2187, 3369
Gossypium hirsutum 3913
Lycopersicon esculentum 2187
plants 119, 2844
genetic transformation
Fragaria ananassa 2244
Malus pumila 2244
Nicotiana tabacum 4434
identification
Lutzomyia spinicrassa, random amplified polymorphic DNA 137
Lutzomyia youngi, random amplified polymorphic DNA 137
mitochondrial DNA, amplification, polymerase chain reaction 1461
restriction fragment length polymorphism, *Brassica napus* 3907
transposable elements, detection, polymerase chain reaction 1684
Insertional mutagenesis
abnormalities, asymmetry, transgenics, mice 1135
colour, *Arabidopsis thaliana* 5905
gene mapping, DNA hybridization, mice 6165
gene transfer
mice 6165
vectors, Adenoviridae, DNA methylation, reviews 4385
β-glucuronidase, vectors, *Escherichia coli* 5490
hair, abnormalities, transgenics, mice 3874
microphthalmia, transcription factors, gene expression, transgenics, mice 34
transposable elements, *Arabidopsis thaliana* 5905
Insulin
apolipoproteins, gene expression, cell lines 242
embryos, *in vitro* development, cattle 973, 5374
fatty-acid synthase, transcription, cell lines 809
genomes, imprinting, gene expression, embryos, mice 6341
insulin-like growth factor, repetitive DNA, restriction fragment length polymorphism, sheep 4659
nucleotide sequences, fishes 1777
oocytes, *in vitro* maturation, cattle 6671
promoters, transcription, induction, glucose, rats 3531
receptors
gene expression, rats 5586
nucleotide sequences
adipocytes, mice 4509
rats 5586
RNA, alternative splicing, rats 5586
Insulin *cont.*
transcription
DNA binding proteins, rats 6345
proto-oncogenes, cell lines 1851
transcription factors, nucleotide sequences, pancreas, mice 5599
transgenics
growth, mice, reviews 5513
mortality, mice, reviews 5513
tyrosine aminotransferase, gene expression, cell lines, rats 4037
Insulin-like growth factor
antisense DNA, transcription, mice 5754
apolipoproteins, gene expression, cell lines 242
binding proteins
gene expression, mammary glands, cell lines, cattle 5015
gene mapping, mice 678
nucleotide sequences
mice 678
rats 1793
DNA methylation, mice 3106
gene expression, rats, reviews 5755
gene transfer, mammary glands, cell lines, cattle 5015
genes, imprinting, transgenics, mice 1129
imprinting, molecular genetics, mice 263
nucleotide sequences
dogs 2889
fishes 195, 3954
rats 2996
sheep 3446
promoters
DNA binding proteins, gene expression, cell lines 2996
transcription factors, mice 768
receptors
antisense DNA, targeted mutagenesis, mice 3539
gene expression, kidneys, embryogenesis, mice 3539
nucleotide sequences, mice 3539
promoters, transcription, platelet-derived growth factor, rats 5181
targeted mutagenesis
embryonic development, mice 5716
growth, mice 5716
restriction fragment length polymorphism, cattle 6477
RNA
alternative splicing
fishes 195, 3954
sheep 3446
targeted mutagenesis
cell lines, transformation, antigens, viruses, mice 2312
embryonic development
mice 5716
reviews 2289
growth, mice 5716
transcription, initiation, sheep 3446
transgenics
growth, mice, reviews 5513
mortality, mice, reviews 5513
Integrins
nucleotide sequences
cattle 5051
mice 2887, 2902
rats 2887
promoters
nucleotide sequences, cell lines 2387
transcription, vitamin D, cell lines 2387
transcription factors, cell lines 2387
restriction fragment length polymorphism, neoplasms, mice 2902
targeted mutagenesis
embryo mortality 3926
inflammation, mice 1752
Intellectual property rights
biotechnology 1089, 6109
Developing Countries 3821, 6121
plants 3809
genetic engineering, plants 2186
Interferon
embryonic stem cells, vectors, gene expression, development, mice 4936
embryos, *in vitro* development, mice 1538

Interferon *cont.*
gene mapping
DNA hybridization
cattle 2500
goats 3598
livestock 896
sheep 3598
pigs 4761
genetic transformation, *Oryza sativa* 3866
in vitro secretion, embryos, quality, cattle 1522
major histocompatibility complex, gene expression, promoters, mice 5189
nucleotide sequences
fishes 4525
placenta, pigs 5593
preimplantation, trophoblast, promoters, DNA binding proteins, gene expression, sheep 5160
receptors
gene expression, mice 4040
nucleotide sequences, cattle 3966
targeted mutagenesis
embryonic stem cells, mice 156
gene therapy, myoblasts, mice 4493
immune response, viruses, mice 6214
macrophages, activation, mice 156
major histocompatibility complex, antigens, mice 156
recombinant vaccines, Rhabdoviridae, fishes 4525
regulatory factor
promoters, prolactin, protein binding elements, rats 4497
targeted mutagenesis
embryonic stem cells, mice 2292
encephalomyocarditis virus, disease resistance, mice 6212
macrophages, nitric oxide, mice 4999
viruses, replication, mice 6212
response element, major histocompatibility complex, transcription, cattle 3946
targeted mutagenesis, schistosomiasis, mice 4492
Intergeneric hybridization (*see also* Protoplast fusion)
DNA hybridization
Elymus farctus 6439
Triticum 6439
embryo culture
Secale cereale 6008, 6021
triticale 6008
Triticum aestivum 6021
protoplast fusion
Cichorium intybus 3320
Citropsis gabunensis 6155
Citrus reticulata 6155
Helianthus annuus 3320
Lycopersicon esculentum 2797
Medicago sativa 3319
Onobrychis viciifolia 3319
Solanum tuberosum 2797
restriction fragment length polymorphism
Oryza sativa 5260
Triticum aestivum 5260
tissue culture
Aegilops ventricosa 1568
Secale cereale 1568, 6008
triticale 6008
Interleukins
acid glycoproteins, transcription, rats 3526
gene expression
bones, transgenics, mice 2229
effects, nervous system, transgenics, mice 3323
macrophages 3510
pigs 5585
rats 3510
gene mapping, DNA hybridization, cattle 1935
gene transfer, vectors, vaccinia virus, immune response, mice 4934
immunological diseases, transgenics, mice 591
Interleukins *cont.*
inflammation, gene expression, liver, rats 5184
kininogens, promoters, transcription, DNA binding proteins, rats 2388
mutations, nucleotide sequences, mice 789
natural killer cells, tumour recognition protein, RNA, alternative splicing, mice 817
nucleotide sequences
mice 1220, 1934
pigs 5585
rats 3510
sheep 698
T lymphocytes, activation, fowls 5587
promoters
DNA binding proteins, mice 5141
targeted mutagenesis, gene expression, mice 5138
receptors
gene expression
cell lines 2324
mice 5247
gene mapping, mice 897, 5247
nucleotide sequences, mice 2324, 2903, 3962
restriction fragment length polymorphism, pigs 2531
targeted mutagenesis
embryonic stem cells
immunological deficiency, mice 2864
intestinal diseases, mice 1743, 1747
immune response
mice 4934
pathogens, mice 3922
transfection, Adenoviridae, liposomes, gene expression, cell lines, rats 3845
Intermediate filaments, neurons, molecular biology, reviews 1857
International cooperation, biotechnology, Developing Countries 2746
Internodes, gene expression, *Avena sativa* 4628
Interspecific hybridization
anther culture
Aegilops 6681
Triticum 6681
chloroplast genetics
Iris brevicaulis 5886
Iris fulva 5886
Iris hexagona 5886
Citrus aurantiifolia 6648
Citrus limon 6648
Citrus sudachi 6648
embryo culture
Allium 1019
Avena brevis 503
Avena sativa 503
Avena strigosa 503
Gypsophila manginii 6056
Gypsophila paniculata 6056
Helianthus annuus 3759
Larix 6005
Oryza minuta 4282
Oryza sativa 4282
gene expression
Nicotiana glauca 5623
Nicotiana langsdorffii 5623
gene flow
Solanum dulcamara 6726
Solanum nigrum 6726
Solanum tuberosum 6726
genetic transformation
Helianthus annuus 2788
Helianthus tuberosus 2788
Lycopersicon esculentum 5484
Lycopersicon pennellii 5484
Lycopersicon esculentum 3210
Lycopersicon peruvianum 3210
mitochondrial genetics
Triticum aestivum 5817
Triticum timopheevii 5817
ovule culture
Gypsophila manginii 6056
Gypsophila paniculata 6056
Populus nigra 4835
Interspecific hybridization *cont.*
Populus trichocarpa 4835
protoplast fusion
Brassica juncea 5217
Brassica oxyrrhina 5217
Nicotiana glutinosa 4960
Nicotiana tabacum 4960
Petunia hybrida 4402
regeneration
Hyoscyamus albus 6156
Hyoscyamus muticus 6156
Solanum brevidens 3869
Solanum bulbocastanum 3867
Solanum commersonii 4400
Solanum tuberosum 3867, 3869, 4400
random amplified polymorphic DNA
Iris brevicaulis 5886
Iris fulva 5886
Iris hexagona 5886
Lycopersicon esculentum 6521
Lycopersicon peruvianum 6521
restriction fragment length polymorphism
Duboisia leichhardtii 1441
Duboisia myoporoides 1441
Pinus 3089
Pinus banksiana 3089
Pinus contorta 3089
tissue culture
Larix 6005
Larix decidua 2636
Larix leptolepis 2636
Solanum 6035
Intestinal diseases
interleukins, targeted mutagenesis, embryonic stem cells, mice 1743, 1747
T lymphocytes, receptors, targeted mutagenesis, embryonic stem cells, mice 1745
targeted mutagenesis, embryonic stem cells, mice 1750
Intestinal microorganisms, probiotics, disease resistance, livestock 4892
Intestines
apolipoproteins, gene expression, transgenics, mice 5193
DNA libraries, pigs 5071
fatty acids, binding proteins, nucleotide sequences, pigs 5071
gene expression
differential
development, pigs 5071
mice 5720
mammals, gene transfer, transposable elements, bacteria, reviews 565
neoplasms
gene mapping
mice 1937
microsatellites, mice 366
restriction fragment length polymorphism, mice 366
protein-tyrosine kinase, gene expression, embryos, rats 4582
retinol, binding proteins, nucleotide sequences, pigs 5071
somatostatin, DNA binding proteins, gene expression, rats 2997
vitamin D, receptors, promoters, binding elements, fowls 4578
Introns
antibodies, *Solanum tuberosum* 2947
cloning, *Solanum tuberosum* 2947
EF-hand
nucleotide sequences
fowls 2904
laboratory mammals 2904
exons, boundaries, genes, structure, techniques 3125
gene expression
Pisum sativum 5830
Zea mays 4624
glucagon-like peptide, receptors, nucleotide sequences, rats 2922
immunoglobulins, splicing, gene expression, mice 3508
mitochondrial genetics
Brassica campestris 4613
Lactuca sativa 4613
molecular genetics 859, 4028
nucleotide sequences
[illegible] 6309

Introns *cont.*
nucleotide sequences *cont.*
Zea mays 4624
RNA editing
Brassica campestris 4613
Lactuca sativa 4613
splicing, *Zea mays* 4624
thymidylate synthase
gene expression, mice 5156
nucleotide sequences, mice 5156
Involucrin
gene expression
epidermis, transgenics, mice 1132
hair follicles, transgenics, mice 1132
nucleotide sequences
mice 2891
rats 2891
promoters
gene expression
hair, transgenics, mice 3325
skin, transgenics, mice 3325
Ion exchange
proteins
DNA, alternative splicing, rats 5066
gene expression
rabbits 834
rats 837, 5066
nucleotide sequences
rabbits 834
rats 837, 5066
Ion transport, gene expression, *Arabidopsis thaliana* 2452
Ions
channels
cyclic nucleotides
gene expression, rabbits 1204
nucleotide sequences, rabbits 1204
Ioxynil, genetic transformation, *Nicotiana tabacum* 3917
Ipomoea angulata
biotransformation 4896
cell culture 4896
Ipomoea batatas
DNA footprinting
β-amylase 5807
DNA binding proteins 5807
genetic transformation, *Agrobacterium rhizogenes* 2786
in vitro culture 1038
in vitro selection, salinity 2873
nucleotide sequences, superoxide dismutase 1814
protoplasts 1038
random amplified polymorphic DNA, variety classification 6519
tissue culture
isoenzymes 5986
somatic embryogenesis 2656, 5986
viruses 6039
Iridals, cell culture, *Iris pallida* 4468
Iris, random amplified polymorphic DNA, evolution 5265
Iris brevicaulis
chloroplast genetics, interspecific hybridization 5886
random amplified polymorphic DNA, interspecific hybridization 5886
Iris fulva
chloroplast genetics, interspecific hybridization 5886
polymerase chain reaction, chloroplast genetics 1431
random amplified polymorphic DNA, interspecific hybridization 5886
restriction fragment length polymorphism, chloroplast genetics 1431
Iris hexagona
chloroplast genetics, interspecific hybridization 5886
polymerase chain reaction, chloroplast genetics 1431
random amplified polymorphic DNA, interspecific hybridization 5886
restriction fragment length polymorphism, chloroplast genetics 1431
Iris pallida
cell culture
iridals 4468
triterpenoids 4468
tissue culture 3185
Iron
acid phosphatase, promoters, gene expression, mice 2978
uptake, *Aquaspirillum* 5865
1′-Isobutyryloxyeugenol-4-isobutyrate, tissue culture, *Coreopsis tinctoria* 4457
Isocitrate dehydrogenase
gene expression, *Eleusine* 2484
nucleotide sequences, mitochondria, cattle 670
Isocitrate dehydrogenase (NAD), nucleotide sequences, rats 5597
Isocitrate lyase
cell culture, *Cucumis sativus* 5798
gene expression
Brassica napus 4655
Cucumis sativus 5798
genetic engineering
Brassica napus 4655
Ricinus communis 3562
genetic transformation, *Nicotiana tabacum* 4655
promoters, *Brassica napus* 4655
Isoenzymes
anther culture, *Hordeum vulgare* 520
gene mapping
Lens culinaris 5312
Lycopersicon esculentum 4899
Lycopersicon pennellii 4899
Prunus persica 4157
Secale cereale 5872
genetic markers
Lycopersicon esculentum 4899
Lycopersicon pennellii 4899
random amplified polymorphic DNA, *Prunus persica* 4157
restriction fragment length polymorphism, *Oryza sativa* 3641
somaclonal variation, *Malus pumila* 2302
tissue culture, *Ipomoea batatas* 5986
Isoflavone reductase
gene expression, plants 1332
promoters, plants 1332
Isolation techniques
DNA
plants 6566
polymerase chain reaction, techniques 937
Trypanosomatidae 73
genes
regulation, dietary fat, mice 247
reviews 6336
hormones, receptors 672
mitochondrial DNA, Nematoda 3122
repetitive DNA, marker genes, mice 876
RNA, plants 3136, 6566
Isopentenyl diphosphate, cell culture, *Vitis vinifera* 2109
Isopentenyl transferase
gene expression
Nicotiana plumbaginifolia 5803
Nicotiana tabacum 287
genetic engineering, *Lycopersicon esculentum* 2459
genetic transformation
Nicotiana plumbaginifolia 1183, 5803
Nicotiana tabacum 287
Salix viminalis 3575
Isopropylbenzene, aerobic treatment, microcosms, soil 2718
Isoquinoline alkaloids, cell culture, *Coptis japonica* 4479
Isotocin, nucleotide sequences, fishes 1403
Isotopes, labelling, DNA sequencing, spectroscopy, techniques 4748
Isotype switching
B lymphocytes, molecular genetics, mice 614
recombination, immunoglobulins, mice 4591
Italy
biotechnology, organization of research 1650
conferences
Cell Culture 3825
Scientific Association of Animal Production 896, 911-912
Japan
biotechnology, marine biology, research 3296
Japan *cont.*
conferences
Dairy Farming in Asia 3167
International Complement Workshop 3826
World Congress on *In vitro* Fertilization and Alternate Assisted Reproduction 4912
embryo transfer, cattle 3167
genetic engineering
biosafety 1629
regulations 1629
patents 546
Japanese encephalitis virus, drug delivery systems, liposomes, mice 4441
Japanese quails
DNA fingerprinting, line differences 5862
genes, glycoproteins, pituitary, nucleotide sequences 3935
LH, nucleotide sequences 3935
Jasmonic acid
cell culture, *Eschscholzia californica* 4490
gene expression
Glycine max 5230
plants, reviews 4645
Jatropha integerrima, tissue culture, regeneration 4295
Joint diseases, tumour necrosis factor, transgenics, animal models 5498
Juglans cinerea, tissue culture, somatic embryogenesis 4836
Juglans regia
genetic transformation
Amyelois transitella 4983
Bacillus thuringiensis 4983
Cydia pomonella 4983
Plodia interpunctella 4983
tissue culture 4844
Juniperus excelsa, random amplified polymorphic DNA, taxonomy 4698
Juniperus procera, random amplified polymorphic DNA, taxonomy 4698
Kaempferol, gene expression, *Petunia hybrida* 3577
Kallikrein, binding proteins, gene expression, *Escherichia coli,* rats 801
Kanamycin
gene expression, *Petunia hybrida* 4619
genetic transformation 5954
Zea mays 5483
genetics, *Zea mays* 5483
in vitro selection, *Petunia hybrida* 4619
Karwinskia humboldtiana
embryo culture 5393
tissue culture 5393
Karyotypes
embryos
sex diagnosis
cattle 963
mice 963
molecular genetics
Ceratocystis ulmi 100
Ophiostoma novo-ulmi 100
sex diagnosis, embryos, cattle 976
Keratin
gene expression
disruption, epidermis, transgenics, mice 597
tissue specificity, transgenics, mice 5503
molecular biology, reviews 1847
nucleotide sequences
rabbits 5194
sheep 3449
promoters
gene expression
rabbits 5194
transgenics, mice 2386
reporter genes, gene expression, embryos, transgenics, mice 4414
restriction fragment length polymorphism, sheep 1414
targeted mutagenesis, embryonic stem cells, embryos, mortality, mice 611
transcription, transgenics, mice 3524
3-Ketoacyl-acyl carrier protein synthase III, nucleotide sequences, *Spinacia oleracea* 3495

Kidding rate, oestrus, synchronization, goats 4328
Kidney diseases
cysts, animal models 3581
oncogenes, gene transfer, mice 2236
proto-oncogenes
gene expression, transgenics, mutations, mice 6166
targeted mutagenesis, mice 5001
Kidneys
alcohol dehydrogenase, gene expression, mice 3581
cytochromes
gene expression, mice 5724
nucleotide sequences, mice 5724
RNA, alternative splicing, rats 3541
fibroblast growth factors
receptors
DNA, alternative splicing, development, rats 5154
gene expression, rats 5154
nucleotide sequences, rats 5154
gene expression
insulin-like growth factor, receptors, embryogenesis, mice 3539
membrane alanyl aminopeptidase, rabbits 5619
potassium, channels, nucleotide sequences, rabbits 5032
prostaglandins, receptors, gene expression, rats 4594
renin, promoters, gene expression, cell lines 3338
transcription factors
gene expression, cell lines 3461
nucleotide sequences, rats 3461
water
transporters
gene expression, rats 718
nucleotide sequences, rats 718
Kielmeyera coriacea, tissue culture 3170
Kinesin, inhibition, drug resistance, cell lines, mice 5328
Kinetin
DNA replication, *Hordeum vulgare* 4648
gene expression, *Hordeum vulgare* 5821
Kininogens
nucleotide sequences, liver, rats 5580
promoters
nucleotide sequences, rats 2388
transcription, DNA binding proteins, interleukins, rats 2388
Kobus ellipsiprymnus, DNA probes, detection, restriction fragment length polymorphism, *Theileria parva* 6173
Korea Republic, meat, origin, identification, restriction fragment length polymorphism, cattle 558
La France disease, DNA probes, mushrooms 443
Labelling, isotopes, DNA sequencing, spectroscopy, techniques 4748
Laboratories, safety, books 3822
Laboratory mammals (*see also* individual species)
antisense RNA, gene expression, reviews 2560
body composition, immunization, adipocytes, membranes, reviews 4329
complement, molecular genetics, conferences 3826
embryos
freezing, vitrification, reviews 6608
in vitro development, oviducts, epithelium 2049
microamplification, lasers 1050
exons, EF-hand, nucleotide sequences 2912
gene expression, milk proteins, reviews 4038
gene transfer, proteins, mammary glands, milk, reviews 4964
introns, EF-hand, nucleotide sequences 2904
molecular genetics, transgenics, reviews 2801
oocytes, freezing, vitrification, reviews 6608
ova, microamplification, lasers 1050
T lymphocytes, differentiation, molecular genetics, reviews 260
Laboratory mammals *cont.*
X chromosome, organization, satellite DNA, reviews 5864
Lactalbumin
gene mapping
DNA hybridization
cattle 1947
goats 1947
sheep 1947
genetic polymorphism, breed differences, cattle 643
nucleotide sequences, cattle 643
replacement, targeted mutagenesis, embryonic stem cells, mice 3406
restriction fragment length polymorphism, cattle 4135
Lactate dehydrogenase
nucleotide sequences, *Oryza sativa* 734
restriction fragment length polymorphism, parentage, pigs 4126
Lactation
GnRH, gene expression, mammary glands, rats 5175
nutrients, utilization, somatotropin, cattle 1600
somatotropin, milk, mammary glands, transgenics, goats 6158
Lactic acid, fermentation, optimization, lactic acid bacteria, identification 6089
Lactic acid bacteria
chromosome mapping, reviews 5560
genetic engineering, reviews 5561
lactic acid, fermentation, optimization, identification 6089
silage, purification 2710
Lactobacillus helveticus, plasmids, gene transfer, targeted mutagenesis 1120
Lactococcus lactis
DNA, cloning, techniques, patents 5939
lactose
gene expression 1299
nucleotide sequences 1299
nisin, genes, identification, ligase chain reaction 5563
nucleotide sequences, ribosomal RNA 1295
Lactoferrin
gene mapping, cattle 914
genetic engineering
infant formulae, milk 3814
transgenics, cattle, reviews 5499
milk, transgenics, cattle 3814
transcription, oestrogens, receptors, DNA binding proteins, mice 3521
β-Lactoglobulin
biochemical polymorphism, polymerase chain reaction, restriction fragment length polymorphism, sheep 375
promoters, gene expression, hormonal control, mammary glands, mice 4963
Lactoglobulins, nucleotide sequences, goats 2322
Lactones, tissue culture, *Arnica montana* 4467
Lactoperoxidase
gene mapping
DNA hybridization
cattle 1947
goats 1947
sheep 1947
Lactose
gene expression, *Lactococcus lactis* 1299
nucleotide sequences, *Lactococcus lactis* 1299
Lactuca sativa
bioreactors 1079
cell culture 1079
gene expression
Agrobacterium tumefaciens 575
transposable elements 2487
gene mapping, *Bremia lactucae* 1178
genetic transformation
Agrobacterium tumefaciens 575
pathogenesis-related proteins 2443
transposable elements 2487
mitochondrial genetics
introns 4613
NADH dehydrogenase 4613
RNA editing
introns 4613
Lactuca sativa *cont.*
RNA editing *cont.*
NADH dehydrogenase 4613
tissue culture, sugars 6036
Lambing rate
androstenedione, immunization, sheep 4334
inhibin, immunization, sheep 4878
melatonin, breed differences, sheep 3770
oestrus, induction, sheep 3249
Laminins
receptors
gene expression, mice 5570
nucleotide sequences
Arabidopsis thaliana 2928
mice 5570
trophoblast, *in vitro* development, mice 5372
Lamins, gene expression, nuclei, fowls 827
Lapageria rosea, tissue culture 2646
Laparoscopy, oocytes, recovery, sheep 4305
Larix
embryo culture
interspecific hybridization 6005
somatic embryogenesis 6005
tissue culture
interspecific hybridization 6005
somatic embryogenesis 6005
Larix decidua
tissue culture
chromosome aberrations 4874
haploidy 4874
interspecific hybridization 2636
polyploidy 4874
regeneration 4807
Larix laricina
genetic transformation, *Agrobacterium rhizogenes* 1013
tissue culture 4842
Larix leptoeuropaea
embryo culture 4271
somatic embryogenesis 4270
Larix leptolepis, tissue culture, interspecific hybridization 2636
Lasers
cell culture, *Asparagus officinalis* 4219
DNA sequencing, spectrometry, techniques 4739
embryos
microamplification, laboratory mammals 1050
micromanipulation, techniques, reviews 5346
gametes, micromanipulation, techniques, reviews 5346
nucleotides, detection, DNA sequencing, fluorescent dyes, flow cytometry, techniques 4746
ova, microamplification, laboratory mammals 1050
vaporization, DNA sequencing, spectrometry, techniques 4751
Late embryogenesis abundant proteins
gene expression
Glycine max 6390
Nicotiana tabacum 6390
Vigna radiata 6440
Lathyrus
molecular genetics, ribosomal DNA 3625
restriction fragment length polymorphism, ribosomal DNA 3623
Lathyrus sativus
molecular genetics, ribosomal DNA 3624
tissue culture, ribosomal DNA 3624
Latin America
anther culture, economics 3765
biotechnology 1648
companies 2181
Lavandula latifolia
tissue culture
monoterpenes 2274
osmotic stress 2274
Laying performance, DNA fingerprinting, fowls 2505
Leaves
chloroplast genetics, *Hordeum vulgare* 5773
gene conversion, *Zea mays* 5223
gene expression
Hordeum vulgare 273, 5773
Lycopersicon esculentum 2361

Leaves *cont.*
gene expression *cont.*
Malus pumila 1382
Nicotiana tabacum 340, 2361
Solanum tuberosum 2361
Zea mays 340
genetic engineering, *Zea mays* 340
genetic transformation, *Nicotiana tabacum* 340, 1325
mitochondrial genetics, *Hordeum vulgare* 5773
molecular genetics, *Zea mays* 5223
nucleotide sequences
Lycopersicon esculentum 2361
Malus pumila 1382
Nicotiana tabacum 2361
Solanum tuberosum 2361
somaclonal variation, *Populus* 5556-5557
tissue culture, *Caladium hortulanum* 2659
Lectins
gene expression
Clivia miniata 5101
disease resistance, plants, reviews 1373
Hordeum vulgare 6374
pest resistance, plants, reviews 1373
Pisum sativum 314, 322
seeds, *Nicotiana tabacum* 322
genetic engineering
Hordeum vulgare 6374
Pisum sativum 305, 322
genetic transformation, seeds, *Nicotiana tabacum* 322
linkage, major histocompatibility complex, DNA probes, fowls 3047
molecular genetics
disease resistance, plants, reviews 1373
pest resistance, plants, reviews 1373
Pisum sativum 6300
mutations, *Hordeum vulgare* 6374
nucleotide sequences
Allium ascalonicum 1249
Allium cepa 1249
Allium porrum 1249
Artocarpus integer 2970
Clivia miniata 5101
Cucurbita maxima 206
fowls 3047
Pisum sativum 2956, 3479, 6300
promoters, *Pisum sativum* 322
Leersia, restriction mapping, evolution 1432
Legal rights
biotechnology, books 6757
genetic engineering 3838
Leghaemoglobin
DNA binding proteins, *Sesbania rostrata* 1383
gene expression
Glycine max 291, 330, 339
Lotus corniculatus 330, 339, 1383, 4651, 5820
Psophocarpus tetragonolobus 4096
genetic engineering
Glycine max 330
Sesbania rostrata 1383, 4651
genetic transformation, *Lotus corniculatus* 330, 339, 1383, 4651, 5820
nucleotide sequences, *Sesbania rostrata* 1383
promoters
Glycine max 330, 339, 5820
Lotus corniculatus 1383, 4651
Sesbania rostrata 4651
targeted mutagenesis, *Lotus corniculatus* 4651
transcription factors, *Glycine max* 5820
Legislation
animal welfare, animal breeding, Europe 1630
biotechnology
European Communities 1631
plants 3813
USA 3283
foods
biotechnology, European Communities 5458
genetic engineering, European Communities 5458
genetic engineering 4364, 6733
Legislation *cont.*
genetic engineering *cont.*
European Communities 1633, 2733, 3798, 6108
foods, reviews, UK 5457
France 2733
UK 3798
USA 1633
genetic transformation, *Brassica napus* 4366
milk, labelling, somatotropin, USA 6106-6107
nucleotide sequences
patents 6736
USA 3283
patents
biotechnology, Eastern Europe 3803
European Communities 3802
Legumin
antibodies, *Vicia faba* 315
gene expression
Nicotiana tabacum 315
Picea engelmannii 4080
Picea glauca 4080
Vicia faba 315
genetic transformation, *Nicotiana tabacum* 315
molecular genetics, *Vicia faba* 306
nucleotide sequences, *Vicia faba* 5647
polymerase chain reaction, *Vicia faba* 4184
Leguminosae
molecular genetics, stress 4356
restriction mapping, chloroplast genetics 382
Leisure, biotechnology 2749
Lemna gibba
gene expression, stress 6437
genetic engineering, stress 6437
genetic transformation, stress 6437
promoters, stress 6437
Lens
chloroplast genetics, evolution 4182
restriction analysis, evolution 4182
Lens culinaris
gene mapping
genetic markers 5312
isoenzymes 5312
utilization, riboflavin, production, *Eremothecium ashbyii* 4349
Lentils, utilization, riboflavin, production, *Eremothecium ashbyii* 4349
Lenzites elegans
biodegradation
enzymes 6636
protoplasts 6636
biotransformation
enzymes 6636
protoplasts 6636
Lepidium sativum, monoclonal antibodies, cell membranes 2041
Leptosphaeria maculans, restriction fragment length polymorphism, *Brassica napus* 3896
Leptosphaeria nodorum, gene expression, *Hordeum vulgare* 3911
Leptospira interrogans, ribosomal RNA, restriction fragment length polymorphism, diagnosis 415
Leptospiraceae, ribosomal RNA, restriction fragment length polymorphism, bacteria, identification 415
Lethals
albinism, molecular genetics, mice, reviews 792
cytosine deaminase, *Arabidopsis thaliana* 1681
Leucine zipper
gene expression, *Arabidopsis thaliana* 281
nucleotide sequences, *Arabidopsis thaliana* 281
Leucojum aestivum, in vitro culture, regeneration 6024
Leucyl aminopeptidase, gene expression, *Arabidopsis thaliana* 6356
Leukaemia, Retroviridae, isolation, cell lines, fishes 63
Leukocytes
antigens
gene mapping
DNA hybridization, rats 916
restriction fragment length polymorphism, mice 916
selectins, targeted mutagenesis, embryonic stem cells, mice 619
Levansucrase
genetic transformation
Nicotiana tabacum 4418
Solanum tuberosum 5517
Leymus
DNA hybridization, taxonomy 4151
gene mapping, taxonomy 4151
restriction fragment length polymorphism
repetitive DNA 6506
ribosomal DNA 6506
taxonomy 6506
LH (*see also* Gonadotropins)
embryos, *in vitro* development, cattle 1582
gene expression, mammals, reviews 4052
in vitro release, somatotropin, transgenics, mice 4973
nucleotide sequences
fowls, reviews 1774
Japanese quails 3935
quails, reviews 1774
oocytes
cumulus oophorus, *in vitro,* mice 5410
in vitro fertilization
cattle 1582
foxes 2121
sheep 5411
in vitro maturation
cattle 1582, 6671
foxes 2121
pigs 2131, 3227, 4852, 6046
sheep 5411
receptors, promoters, nucleotide sequences, rats 5148
somatotropin, cattle 4891
superovulation
cattle 529, 4886
embryos, recovery, cattle 4886
LHRH
analogues, spawning, induction, fishes 5420
antagonists, superovulation, embryos, recovery, cattle 5405
immunization
boar taint, elimination, pigs 536
carcass composition, pigs 3777
fattening performance, pigs 3777
receptors
cloning, pigs 5618
nucleotide sequences, pigs 5618
spawning, induction, fishes 5423
superovulation, embryos, recovery, goats 2146
Ligands
protein-tyrosine kinase
receptors
haematopoiesis, stem cells, proliferation, mice 5043
nucleotide sequences, mice 5043
Ligase chain reaction
nisin, genes, identification, *Lactococcus lactis* 5563
techniques 2594
reviews 3670
Light
antibodies, *Avena sativa* 344
chloroplast genetics
Hordeum vulgare 6365, 6397
Triticum aestivum 6433
DNA binding proteins, *Lycopersicon esculentum* 846
epistasis, *Arabidopsis thaliana* 5768, 5855
gene expression 3556
Amaranthus hypochondriacus 1381
Arabidopsis thaliana 308, 311, 847, 1880, 1908, 3548, 5768, 5831, 5855, 6375, 6399
Avena sativa 344
Chenopodium rubrum 5788
Commelina communis 308
Cucumis sativus 2429

Light *cont.*
gene expression *cont.*
Glycine max 291, 4116
Hordeum vulgare 3021, 5236, 5821, 6365, 6397
Lycopersicon esculentum 846, 4070
Nicotiana tabacum 1908, 4116
Oryza sativa 312, 3557, 4075
Petroselinum crispum 4082, 5805
Pharbitis nil 1932
Phaseolus vulgaris 4612, 5235
Picea abies 4606
Pisum sativum 308, 350
plants 311, 3543
Solanum melongena 2376
Solanum tuberosum 1365
Spinacia oleracea 4623
Triticum aestivum 1245, 6433
Vicia faba 308, 5664
Vitis vinifera 5126
Zea mays 4113
genetic engineering
Arabidopsis thaliana 6399
Glycine max 4116
Spinacia oleracea 4623
genetic transformation
Arabidopsis thaliana 1908
Nicotiana plumbaginifolia 4623
Nicotiana tabacum 1908, 4116, 4623
molecular genetics, *Arabidopsis thaliana* 1880
mutations, *Arabidopsis thaliana* 5768, 5831, 5855
nucleotide sequences 3556
Arabidopsis thaliana 5831
Pharbitis nil 1932
Solanum melongena 2376
Solanum tuberosum 1365
Triticum aestivum 1245
Vicia faba 5664
Vitis vinifera 5126
promoters
Arabidopsis thaliana 311, 6399
Lycopersicon esculentum 846
Petroselinum crispum 4082
plants 311, 3543
Solanum tuberosum 1365
Spinacia oleracea 4623
tissue culture, *Malus* 478
transcription factors, *Arabidopsis thaliana* 5831
Lignans, tissue culture, *Linum flavum* 1738
Lignin
gene expression, *Nicotiana tabacum* 4635
genetic transformation, *Nicotiana tabacum* 4635
tissue culture, *Camellia sinensis* 3753, 6037
Lignocellulose, waste utilization, reviews 2702
Lignocellulosic wastes
biodegradation
feeds, production, *Pleurotus* 5444
microorganisms, reviews 5443
jute, utilization, enzymes, production, *Aspergillus sydowii* 6093
Lilium
anther culture 2137
random amplified polymorphic DNA, taxonomy 4179
Lilium japonicum, tissue culture 6007
Lilium longiflorum
DNA hybridization 6398
vitronectin 5313
gene expression 6398
pollen 20
genetic transformation, pollen 20
nucleotide sequences 6398
Lilium maculatum, protoplasts, regeneration 6026
Lilium rhodopaeum, in vitro culture, regeneration 6024
Lilium speciorubel, protoplasts, regeneration 6026
Linamarase
nucleotide sequences
Manihot esculenta 5653
Trifolium repens 5653
Line differences, DNA fingerprinting, Japanese quails 5862
Linkage
apolipoproteins, gene mapping, pigs 3054
chromosome maps, mice 2510, 2523
conservation, genomes, vertebrates, reviews 4140
dairy performance, genes, milk proteins, cattle 6455
estimation, marker genes, distribution, statistics 3077
gene mapping
mice 2510
rats 4136, 4695
genes, Booroola, DNA fingerprinting, sheep 2502
growth, DNA fingerprinting, mice 2496
heat shock proteins, fowls 6471
histones, fowls 6471
horns, development, gene mapping, microsatellites, cattle 3591
immunoglobulins, marker genes, pigs 3075
lectins, major histocompatibility complex, DNA probes, fowls 3047
major histocompatibility complex, pigs 4124
marker genes
quantitative traits
algorithms 2201
experimental design 3065
restriction fragment length polymorphism, gene mapping, rats 3592
proteolipid protein, thyroxine-binding globulin, sheep 4147
quantitative traits
marker genes
crossing, methodology 6468
genome maps, models 4122
statistical analysis 6455
restriction fragment length polymorphism, computer simulation 6473
restriction fragment length polymorphism
Glycine 6513
Phaseolus 6513
Vigna 6513
Rhizobium, Phaseolus vulgaris 1997
Setosphaeria turcica, Zea mays 5922
steroid 11β-monooxygenase
blood pressure, rats 3049
corticoids, synthesis, rats 3049
T-complex
homologues
gene mapping, horses 2520
restriction fragment length polymorphism, horses 2520
Xanthomonas campestris, Phaseolus vulgaris 1997
Linum flavum
biotransformation
glycosides 2284
podophyllotoxin 2284
cell culture
glycosides 2284
podophyllotoxin 2284
genetic transformation, *Agrobacterium rhizogenes* 1738
tissue culture, lignans 1738
Linum usitatissimum
gene expression
development 4611
DNA methylation 4611
height 4611
gene mapping
Melampsora lini 605
transposable elements 605
genetic transformation, *Agrobacterium tumefaciens* 1671, 3861, 3865
linseed, anther culture 3759
nucleotide sequences
acyl-acyl-carrier-protein desaturase 5694
peroxidases 4553
restriction fragment length polymorphism
Melampsora lini 605
transposable elements 605
tissue culture, *Agrobacterium tumefaciens* 3865
Lipid metabolism
glucocorticoids, receptors, antisense DNA, transgenics, mice 4969
Lipid metabolism *cont.*
lipoprotein lipase, gene expression, transgenics, mice 5509
Lipid transfer proteins
gene expression
Arabidopsis thaliana 6431
Hordeum vulgare 1822
Vigna unguiculata 6281
gene mapping, *Hordeum vulgare* 1822
genetic transformation, *Arabidopsis thaliana* 6431
nucleotide sequences
Hordeum vulgare 1822
Pachyphytum 2935
Vigna unguiculata 6281
Lipids
binding proteins, nucleotide sequences, rats 658
genetic engineering, plants 2755
genetic transformation, plants, reviews 6376
mutations, plants, reviews 6376
Lipopolysaccharides, monoclonal antibodies, *Brucella abortus* 1476
Lipoprotein lipase
gene expression
lipid metabolism, transgenics, mice 5509
mutations, cell lines 1319
transcription factors, rats 1319
nucleotide sequences, sheep 1207
restriction fragment length polymorphism, cattle 1964
Lipoproteins
atherosclerosis, transgenics, animal models, reviews 5508
metabolism, gene expression, transgenics, mice, reviews 5137
receptors
cholesteryl esters, transfer proteins, gene transfer, mice 2226
restriction fragment length polymorphism, pigs 2504
targeted mutagenesis, embryonic development, mice 616
Liposomes
Adenoviridae, interleukins, transfection, gene expression, cell lines, rats 3845
antitrypsin, gene transfer, liver cells, mice 2204
drug delivery systems, Japanese encephalitis virus, mice 4441
gene transfer, techniques, cell lines, mammals 4929
immunoglobulins, gene transfer, yeast artificial chromosomes, embryonic stem cells, mice 3326
inhalation, cystic fibrosis, transmembrane conductance regulator, gene transfer, mice 4384
luciferase, gene transfer, arteries, dogs 11
plasmids, gene transfer, mice, intravenous injection 4940
reporter genes
gene transfer
lungs, mice 2757
lymphocytes, mice 5476
RNA, transfection, cell lines, mammals, techniques 4924
transfection, plasmids, peptides, cell lines 2762
Lipoxygenase
gene expression
Arabidopsis thaliana 3468, 6409
Glycine max 5230
Phaseolus vulgaris 2442
Pisum sativum 4069
Solanum tuberosum 6268
monoclonal antibodies, *Oryza sativa* 5963
nucleotide sequences
Arabidopsis thaliana 3468
Phaseolus vulgaris 2442
Solanum tuberosum 6268
promoters, *Pisum sativum* 4069
Liquidambar styraciflua
cell culture
flavonoids 3391
tannins 3391

Liriodendron chinense, embryo culture, somatic embryogenesis 1014
Liriodendron tulipifera, embryo culture, somatic embryogenesis 1014
Listeria monocytogenes
detection
polymerase chain reaction
milk 3150
silage 5357
susceptibility, tumour necrosis factor, receptors, targeted mutagenesis, mice 2869
Lithium chloride, cell culture, *Catharanthus roseus* 1193
Lithospermum erythrorhizon
bioreactors
quinones 3395
shikonin 3395
cell culture
blue light 4485
flavonoids 4485
p-hydroxybenzoate geranyltransferase 3752
methyl jasmonate 4470
quinones 4487
rosmarinic acid 4470
shikonin 3752, 4485, 4487
genetic transformation, *Agrobacterium rhizogenes* 3395
tissue culture
quinones 3395
shikonin 3395
Lithostatine, nucleotide sequences, pancreas, rats 4506
Litter size
embryo transfer
embryos, splitting, pigs 4800
pigs 4780
inhibin
immunization
livestock, reviews 1591
sheep 4878
melatonin, goats 532
microsatellites, mice 884
oestrus
induction, goats 4327
synchronization, goats 4328
Liver
adenosinetriphosphatase, inhibitors, nucleotide sequences, rats 5591
alcohol dehydrogenase, gene expression, mice 3581
apolipoproteins
gene expression
deoxyribonuclease I, hypersensitivity, mice 3871
enhancers, transgenics, mice 3871
promoters, transgenics, mice 3871
binding proteins
Y-box
gene expression, fowls 5729
nucleotide sequences, fowls 5729
blood coagulation factors
gene transfer
glycoproteins, receptors, rats 3304
receptor-mediated endocytosis, rats 4933
C-reactive protein
nucleotide sequences, mice 5741
promoters, gene expression, mice 5741
cells
oocytes
in vitro fertilization, cattle 4782
in vitro maturation, cattle 4782
rats, embryos, *in vitro* development, cattle 4782, 4868
cholesterol 7α-monooxygenase, transcription, transgenics, mice 4057
cytochromes, promoters, DNA binding proteins, rats, cell lines 4585
cytokines
receptors
transcription, pregnancy, mice 5761
transcription factors, gene expression, rats 5184
embryonic development, proto-oncogenes, targeted mutagenesis, embryonic stem cells, mice 3401

Liver *cont.*
endocytosis, marker genes, gene transfer, hepatectomy, rats 562
epoxide hydrolase
gene expression, mice 5576
nucleotide sequences, mice 5576
gene expression, gene transfer, retroviral vectors, fowls 581
glycoproteins, gene expression, transcription factors, rats 5744
inflammation, gene expression, interleukins, rats 5184
kininogens, nucleotide sequences, rats 5580
monooxygenases
gene expression, rats 4044
nucleotide sequences, rats 4044
peptidases, mitochondrial DNA, nucleotide sequences, rats 3447
proteinase inhibitors, transcription, mice 5756
transcription, transferrin, promoters, DNA binding proteins, transgenics, mice 5190
transcription factors, promoters, nucleotide sequences, rats 5158
transferrin, promoters, gene expression, transgenics, mice 4050
varicella-zoster virus, thymidine kinase, gene expression, transgenics, mice 1133
Liver cells
Adenoviridae
reporter genes, gene transfer, gene expression, mice 2766
vectors
gene therapy, mice 4937
gene transfer, mice 4937
antitrypsin, gene transfer, liposomes, mice 2204
blood coagulation factors
gene transfer, Adenoviridae, vectors, gene therapy, mice 2206
transfection, glycoproteins, receptors, rats 3304
cell adhesion molecule, gene expression, rats 244
growth factors
gene expression, rats 5135
nucleotide sequences, rats 3972, 5135
transcription, rats 3972
nitric-oxide synthase, nucleotide sequences, rats 1791
promoters, cholesterol 7α-monooxygenase, rats 2991
retroviral vectors, reporter genes, gene transfer, dogs 2758
Liver diseases, genes, drug resistance, targeted mutagenesis, embryonic stem cells, mice 1748
Livestock (*see also* individual species)
animal production
biotechnology 2752, 3302
technical progress, animal welfare 1102
biosafety, foods, transgenics 3275
biotechnology
Africa 2202
patents, European Communities 2729
breeding programmes, transgenics, genetic improvement, reviews 2802
breeding value, prediction, quantitative traits, marker genes 6450
complement, molecular genetics, conferences 3826
culture media, constituents, embryo transfer, DNA, contamination 2053
data banks
genetic improvement 1662
genetic resources 1662
DNA fingerprinting, parentage, reviews 5337
DNA probes, detection, *Escherichia coli* 1500
embryos
biotechnology, reviews 1657
freezing 1536
vitrification, reviews 6608
in vitro development, oviducts, epithelium 2049

Livestock *cont.*
ethics, genetic engineering, UK, reports 3820
food conversion, transgenics 2166
foods
biosafety
transgenics
reviews 3274
USA 3273
gene expression, milk proteins, reviews 4038
gene mapping
experimental design 5246, 6465
growth 4145
reviews 2492
gene transfer
animal health, reviews 2815
disease resistance, reviews 2815
performance, reviews 2815
pharmaceutical proteins, reviews 2815
proteins, mammary glands, milk, reviews 4964
genetic engineering, reviews 1657
genetic improvement 4
breeding programmes, economics 3270
genetic resources, conservation 4380
growth, somatostatin, immunization, reviews 4329
in vitro fertilization, reviews 3235
inhibin
immunization
litter size, reviews 1591
ovulation rate, reviews 1591
interferon, gene mapping, DNA hybridization 896
major histocompatibility complex
DNA fingerprinting 2497
gene mapping, DNA hybridization 896
meat production, molecular genetics, reviews 1661
milk proteins, genetic engineering, transgenics, reviews 4975
molecular genetics, transgenics, reviews 2801
monoclonal antibodies
animal production, reviews 5354
diagnostic techniques, reviews 5354
oocytes, freezing, vitrification, reviews 6608
pharmaceutical proteins
gene expression, milk, transgenics, reviews 4968
gene transfer, mammary glands, transgenics, reviews 2813
milk, transgenics, reviews 4966
transgenics
books 5466
reviews 6162
probiotics, disease resistance, intestinal microorganisms 4892
research
biotechnology, Hungary 3692
embryo transfer, Hungary 3691
restriction fragment length polymorphism, proto-oncogenes 5860
sex control, X-Y separation 6675
sex diagnosis, embryos, H-Y antigen 976
spermatozoa, X-Y separation, flow cytometry 3232
T lymphocytes, receptors, DNA fingerprinting 2497
transgenics
environmental impact, reviews 3275
research, time 3272
Liveweight gain, *Bifidobacterium,* probiotics, pigs 2690
Llamas
embryos, *in vitro* development, oviducts, epithelium 4850
oocytes
in vitro development
oviducts, epithelium 4850
spermatozoa, epididymis 4850
in vitro fertilization
oviducts, epithelium 4850
spermatozoa, epididymis 4850
Lobelia, chloroplast genetics 1987
Lolium boucheanum
protoplasts 3219

Lolium boucheanum *cont.*
random amplified polymorphic DNA 3219
Lolium multiflorum
protoplasts 3219
random amplified polymorphic DNA 3219
Lolium perenne
anther culture
regenerative ability 6688
somatic embryogenesis 6688
gene expression
Agrobacterium tumefaciens 1676
heat resistance 6100
heat shock proteins 6100
genetic transformation 301, 3312
Agrobacterium tumefaciens 1676
in vitro selection, cold resistance 6713
protoplasts 3219
random amplified polymorphic DNA 3219
Lonicera brownii, protoplasts 2216
Lonicera caerulea, *in vitro* culture, cryopreservation 3747
Lonicera fragrantissima, protoplasts 2216
Lonicera japonica, tissue culture 3182
Lonicera periclymenum, protoplasts 2216
Lotus, random amplified polymorphic DNA, evolution 6515
Lotus corniculatus
gene expression
antisense DNA 5200
dihydrokaempferol 4-reductase 5200
DNA binding proteins 5820
leghaemoglobin 330, 339, 1383, 4651, 5820
nitrogen fixation 4651
tannins 5200
genetic transformation
antisense DNA 5200
dihydrokaempferol 4-reductase 5200
DNA binding proteins 5820
leghaemoglobin 330, 339, 1383, 4651, 5820
nitrogen fixation 4651
nodulins 1910
tannins 5200
promoters
leghaemoglobin 1383, 4651
nitrogen fixation 4651
protoplast fusion
chloroplast genetics 28
mitochondrial genetics 28
random amplified polymorphic DNA, evolution 6515
targeted mutagenesis
leghaemoglobin 4651
nitrogen fixation 4651
Lotus japonicus
DNA fingerprinting 1343
polymerase chain reaction 1343
Low density lipoprotein
receptors
gene expression, mice 1772
nucleotide sequences, mice 1772
restriction fragment length polymorphism, cattle 370
Luciferase
gene expression
arteries, gene therapy, dogs 11
transgenics, fishes 564, 2764
Zea mays 5824
gene tagging, *Lycopersicon esculentum* 6516
gene transfer, liposomes, arteries, dogs 11
Lucilia cuprina, gene mapping 377
Luffa aegyptiaca
cell culture
bryonolic acid 1740
terpenoids 1740
Lungs
major histocompatibility complex, gene expression, transgenics, mice 33
reporter genes, liposomes, gene transfer, mice 2757
surfactants
gene expression, transgenics, mice 2421
promoters, transcription, cell lines 1199
Lungs *cont.*
surfactants *cont.*
receptors
gene expression
mice 5611
rabbits 5611
nucleotide sequences, pigs 5611
transferrin, Adenoviridae, gene transfer, rats 5472
vectors, gene transfer, rats 5472
Lupinus
gene expression
nutritive value 4976
proteins 4976
genetic transformation
nutritive value 4976
proteins 4976
tissue culture 3206
Lupinus albus
anther culture, somatic embryogenesis 4319
tissue culture, somatic embryogenesis 3207
Lupinus angustifolius
genetic engineering
asparaginase 6378
aspartate aminotransferase 5131
nucleotide sequences
D-alanine transaminase 6278
aspartate aminotransferase 5131
promoters, asparaginase 6378
Lupinus luteus, tissue culture, regeneration 990
Lutzomyia spinicrassa, identification, random amplified polymorphic DNA 137
Lutzomyia youngi, identification, random amplified polymorphic DNA 137
Luziola, restriction mapping, evolution 1432
Lycopersicon
chloroplast genetics, taxonomy 2550
gene mapping, sucrose 726
genetic transformation 17
Agrobacterium tumefaciens 6185
in vitro selection
Alternaria solani 6191
pollen 6191
nucleotide sequences, β-fructofuranosidase 726
polymerase chain reaction, variety classification 5889
random amplified polymorphic DNA, variety classification 5889, 6549
restriction fragment length polymorphism, sucrose 726
tissue culture, *Meloidogyne incognita* 471
vectors, *Agrobacterium tumefaciens* 6185
Lycopersicon chilense
nucleotide sequences
abscisic acid 3471
drought resistance 3471
Lycopersicon chmielewskii, gene expression, acid invertase 2451
Lycopersicon esculentum
antibodies, ACC oxidase 4776
antisense DNA 4018
cell culture, heat shock proteins 6016
chloroplast genetics 29
protoplast fusion 2218
cloning
alcohol dehydrogenase 1290
Fulvia fulva 3914
minisatellites 1429
Pseudomonas syringae 2262
DNA amplification
Fusarium oxysporum 4186
repetitive DNA 4186
DNA binding proteins
circadian rhythm 846
light 846
DNA hybridization, mycoplasma-like organisms, *Circulifer tenellus* 3373
DNA probes
Meloidogyne 378
tomato yellow leaf curl bigeminivirus 3674
embryo culture 3210
gene expression
ACC deaminase 855
ACC synthase 2477
acid invertase 2451
adenosylmethionine synthetase 5635
Lycopersicon esculentum *cont.*
gene expression *cont.*
androecium 1237
anthers 1237
anthocyanins 6377
antisense DNA 325, 1328, 1378, 2472, 2477, 4104, 6373
arginine decarboxylase 2471
aspirin 326
auxins 2375
brassinosteroids 5242
cathepsin D inhibitor 326
cellulase 1892
chorismate synthase 1804, 5797
circadian rhythm 846
citrus exocortis viroid 4436, 4984
cytosol aminopeptidase 5531
2-dehydro-3-dephosphoheptonate aldolase 5797
3-dehydroquinate synthase 1803
desiccation 3268
development 4569, 5791
dihydrokaempferol 4-reductase 6377
DNA binding proteins 3488
DNA methylation 1892
drought resistance 1345, 4539
elicitors 5532
extensin 3898
fenthion 5532
flowers 4018, 4104, 5791
β-fructofuranosidase 4563
fruits 5239, 5646
reviews 5795
Fulvia fulva 1707
G proteins 4534
gibberellic acid 5809
β-glucanase 4984
glutamate synthase 4070
growth regulators 5242
heat shock proteins 6016
histidine decarboxylase 1279
histones 5199
homeotic genes 4018, 4104
injuries 326
leaves 2361
light 846, 4070
Meloidogyne incognita 3898, 6248
membrane proteins 4539
pathogenesis-related proteins 739, 4436
pectinesterase 325, 1378, 5646, 6373
peroxidases 5626
3-phosphoshikimate 1-carboxyvinyltransferase 5797
photosynthesis 4000
photosystem I 5777
phytochrome 5777
phytoene desaturase 6372
phytoene synthase 6372
pollen 20, 4610
polygalacturonase 325, 861, 1328, 1378, 1892
reviews 5795
proteinase inhibitors 326, 2375
Pseudomonas syringae pv. *tomato* 5531-5532
reporter genes 2822
ripening 855, 861, 1279, 1328, 1892, 2471, 2477, 3268, 4539, 4563, 6372
reviews 5795
roots 4569
salinity 5626, 5635
shikimate kinase 5797
Spodoptera littoralis 5531
sucrose synthase 5239
techniques 2822
threonine dehydratase 326
transposable elements 2822
wounding 5531
gene mapping
abscission 4194
development 4569
Fulvia fulva 4712
isoenzymes 4899
Meloidogyne 1163, 3097
Pseudomonas syringae 1175
roots 4569
salinity 4899
tomato yellow leaf curl bigeminivirus 5536

Lycopersicon esculentum *cont.*
gene mapping *cont.*
transposable elements 1981
gene tagging
Fulvia fulva 3901
luciferase 6516
selectable markers 6553
spectinomycin adenyltransferase 6553
streptomycin 6553
transposable elements 4191, 5899, 6516
genetic engineering
ACC synthase 2477, 5819
Agrobacterium tumefaciens 2459
antisense DNA 325, 1378, 2477, 2732, 3880
biosafety 2732, 5515, 6723
USA 6727
ethylene 5819
fruits 2187
insects 2187
isopentenyl transferase 2459
pectinesterase 325, 1378
pollen 20, 4610
polygalacturonase 325, 1378, 2732, 3880
Pseudomonas syringae pv. *tomato* 2852
public opinion 3276
regulations, USA 6727
release 2732, 5515
USA 6727
ribulose-bisphosphate carboxylase 858
ripening 2187, 2477, 2732, 3880, 5515, 5819
genetic markers 2011
isoenzymes 4899
Pseudomonas solanacearum 4438
salinity 4899
genetic transformation 4018
ACC deaminase 855
ACC oxidase 2472
ACC synthase 2477
Agrobacterium tumefaciens 574
anthocyanins 6377
antisense DNA 1328, 1378, 1879, 2266, 2477, 4104, 6373
coat proteins, tomato yellow leaf curl bigeminivirus 6188
dihydrokaempferol 4-reductase 6377
flowers 4018, 4104
fruits, reviews 5795
Fulvia fulva 3914-3915
homeotic genes 4018, 4104
interspecific hybridization 5484
Manduca sexta 2266
pathogenesis-related proteins 3915
pectinesterase 1378, 6373
polygalacturonase 1328, 1378
reviews 5795
prosystemin 2266
protein kinase 2957
proteinase inhibitors 4100
Pseudomonas syringae pv. *tomato* 2957
reporter genes 2822
ripening 855, 1328, 1879, 2477
reviews 5795
techniques 2822
transposable elements 1981, 2822, 5899
in vitro selection
Alternaria solani 6191
pollen 6191
induced mutations, *Fulvia fulva* 4712
interspecific hybridization 3210
mitochondrial genetics 29
protoplast fusion 2218
molecular genetics
antisense DNA, reviews 6379
fruits, reviews 6379
Fulvia fulva 4433
Fusarium oxysporum 4186
Pseudomonas syringae 5527
repetitive DNA 4186
ripening, reviews 6379
mutations
ACC synthase 5819
anthocyanins 6377
dihydrokaempferol 4-reductase 6377

Lycopersicon esculentum *cont.*
mutations *cont.*
elicitors 5532
ethylene 5819
fenthion 5532
Pseudomonas syringae pv. *tomato* 5532
ripening 5819
nucleotide sequences
abscisic acid 5680
adenosylmethionine synthetase 5635
androecium 1237
anthers 1237
arginine decarboxylase 2471
auxins 2375
cathepsin D inhibitor 4571
chitinase 99
chorismate synthase 1804
citrus exocortis viroid 4436, 4984
3-dehydroquinate synthase 1803
desiccation 3268
development 4569
DNA binding proteins 3488
drought resistance 4539
flowers 4018
β-fructofuranosidase 4563
fruits 5646
Fulvia fulva 99
G proteins 4534
β-glucanase 4984
heptaubiquitin 5122
histidine decarboxylase 1279
histones 5199
homeotic genes 4018
leaves 2361
Meloidogyne incognita 6248
membrane proteins 4539
pathogenesis-related proteins 99, 739, 4436
pectinesterase 5646
peroxidases 2931, 5626
photosynthesis 4000
phytoene desaturase 4547
protein kinase 2957
proteinase inhibitors 2375, 5711
Pseudomonas syringae pv. *tomato* 2957
ripening 1278-1279, 2471, 3268, 4539, 4563
roots 4569
salinity 5626, 5635
small nuclear RNA 6316
splicing 4547
sucrose synthase 4570
ubiquitin conjugating enzyme 4556
virulence, *Xanthomonas campestris* pv. *vesicatoria* 93
polyclonal antibodies, ACC oxidase 2472
polymerase chain reaction
Meloidogyne 378, 3912
transposable elements 4191
promoters
antisense DNA 4104
circadian rhythm 846
flowers 4104
homeotic genes 4104
light 846
pollen 4610
polygalacturonase 861
ripening 861
protoplast fusion 27, 29
intergeneric hybridization 2797
protoplasts 4280
random amplified polymorphic DNA 5892
Fulvia fulva 381
interspecific hybridization 6521
Meloidogyne 3912
Pseudomonas syringae 1175
tobacco mosaic tobamovirus 6521
variety classification 6549
restriction fragment length polymorphism 2011
Fulvia fulva 381
Meloidogyne 1163
minisatellites 1429
Pseudomonas syringae 1175
resistance, *Fulvia fulva* 388
tomato yellow leaf curl bigeminivirus 5536
transposable elements 1981

Lycopersicon esculentum *cont.*
restriction mapping, dihydrokaempferol 4-reductase 6377
RNA
alternative splicing
hygromycin phosphotransferase 5838
transposable elements 5838
RNA probes
development 5791
flowers 5791
somaclonal variation
Clavibacter michiganensis 2297
public opinion 3276
tissue culture 3744-3745
organogenesis 2625
plant development 1017
transcription
hygromycin phosphotransferase 5838
transposable elements 5838
transposable elements
selectable markers 6553
spectinomycin adenyltransferase 6553
streptomycin 6553
vectors
reporter genes 2822
techniques 2822
transposable elements 2822
Lycopersicon hirsutum, protoplast fusion 27
Lycopersicon pennellii
flow cytometry, chromosomes 4153
gene expression, drought resistance 1345
gene mapping
isoenzymes 4899
salinity 4899
gene tagging, transposable elements 4191
genetic markers 2011
isoenzymes 4899
salinity 4899
genetic transformation
coat proteins, tomato yellow leaf curl bigeminivirus 6188
interspecific hybridization 5484
polymerase chain reaction, transposable elements 4191
restriction fragment length polymorphism 2011
chromosomes 4153
Lycopersicon peruvianum
chloroplast genetics 29
protoplast fusion 2218
embryo culture 3210
gene expression
heat 3269
transcription factors 3269
gene mapping
Meloidogyne 3097
self incompatibility 1428
genetic markers, self incompatibility 1428
interspecific hybridization 3210
mitochondrial genetics 29
protoplast fusion 2218
nucleotide sequences
heat 3269
ribonucleases 6306
self incompatibility 6306
transcription factors 3269
protoplast fusion 29
random amplified polymorphic DNA
interspecific hybridization 6521
tobacco mosaic tobamovirus 6521
Lymantria dispar
genetic transformation, *Populus nigra* 3378
transgenics, *Populus nigra* 3378
Lymphocystis virus, nucleotide sequences, fishes 81
Lymphocyte antigens
class switching, B lymphocytes, mice 2806
immunoglobulins, class switching, transgenics, mice 2806
Lymphocytes
addressin, nucleotide sequences, mice 5024
clonal selection, transgenics, mice, reviews 824
development, protein-tyrosine-phosphatase, targeted mutagenesis, embryonic stem cells, mice 157

Lymphocytes *cont.*
immunoglobulins
enhancers, transcription, mice 6340
matrix associated regions, transcription, mice 6340
reporter genes, gene transfer, liposomes, mice 5476
transcription, DNA binding proteins, mice 839
Lymphocytic choriomeningitis virus, glycoproteins, T lymphocytes, receptors, gene transfer, diabetes, mice 4965
Lymphokines, nucleotide sequences, mice 3442
Lysine
antibodies 1891
gene expression 1891
Nicotiana tabacum 1920
restriction fragment length polymorphism, *Zea mays* 5890
Lysine decarboxylase, genetic transformation, *Nicotiana tabacum* 1192
Lysosomes
proteins, mannose-6-phosphate, receptors, targeted mutagenesis, embryonic stem cells, mice 5549
storage disorders, β-glucuronidase, gene transfer, fibroblasts, gene therapy, mice 3352
Lysozyme
gene dosage, *Nicotiana tabacum* 4630
gene expression 1167
Nicotiana tabacum 4021, 4630
Solanum tuberosum 2269
trachea, cattle 2339
gene transfer, gene expression, mammary glands, mice 3335
genetic engineering
infant formulae, milk 3814
plants, reviews 1166
genetic transformation 1167
Nicotiana tabacum 4630
Solanum tuberosum 2269, 3897
milk, transgenics, cattle 3814
nucleotide sequences
Nicotiana tabacum 4021
trachea, cattle 2339
restriction fragment length polymorphism, cattle 3613
Lytic peptides, genetic engineering 2845
Macroglobulins, receptors, nucleotide sequences, mice 3965
Macronutrients, cell culture, *Carthamus tinctorius* 5542
Macrophages
activation, interferon, receptors, targeted mutagenesis, mice 156
colony stimulating factor
nucleotide sequences, rats 2920
promoters, gene expression, mice 5169
receptors
promoters
gene expression, cell lines 2425
transcription, cell lines 2425
interleukins, gene expression 3510
migration inhibitory factor
gene expression, arthritis, rats 4581
nucleotide sequences, rats 4581
nitric oxide, interferon, regulatory factor, targeted mutagenesis, mice 4999
nopaline synthase, transcription factors, mice 4999
stress
proteins
gene expression, mice 5734
nucleotide sequences, mice 5734
toxins, diphtheria, gene expression, eyes, cells, mice 587
Macrosialin, nucleotide sequences, mice 184
Magnaporthe grisea
gene mapping, *Oryza sativa* 4193
genetic transformation, *Oryza sativa* 4435
restriction fragment length polymorphism, *Oryza sativa* 4193
Magnetic separation
techniques
Solanum bulbocastanum 6154
Solanum tuberosum 6154
Magnolia, restriction fragment length polymorphism, chloroplast genetics 4730
Magnolia macrophylla, tissue culture, somatic embryogenesis 1015
Maize chlorotic mottle machlovirus, genetic transformation, coat proteins, *Zea mays* 3370
Maize dwarf mosaic potyvirus
genetic transformation
coat proteins, *Zea mays* 3370
Zea mays 3299
restriction fragment length polymorphism, *Zea mays* 5923
Maize streak monogeminivirus
DNA replication, *Zea mays* 3131
genetic transformation, *Zea mays* 3131
vectors, *Zea mays* 3131
Maize stripe tenuivirus, serology, *Zea mays* 426
Major histocompatibility complex
antigens, interferon, receptors, targeted mutagenesis, mice 156
antisense DNA, gene transfer, B lymphocytes, transgenics, mice 5497
diabetes, gene therapy, mice 2238
DNA fingerprinting, livestock 2497
enhancers
nucleotide sequences, cattle 3946
transcription, cattle 3946
evolution, mice, reviews 4055
gene expression
cattle 4065
induction, tumour necrosis factor, mice 796
lungs, transgenics, mice 33
mice 1869
promoters, interferon, mice 5189
rats 3957
thyroid gland, abnormalities, transgenics, mice 1692
transgenics, mice 2814
gene mapping
DNA hybridization, livestock 896
polymerase chain reaction, rats 3988
restriction fragment length polymorphism
fowls 5253
mice 3057
gene transfer, transgenics, mice 2238
haplotypes, nucleotide sequences, horses 1230
heat shock proteins
nucleotide sequences, pigs 4505
restriction fragment length polymorphism, pigs 4505
interferon, response element, transcription, cattle 3946
lectins, linkage, DNA probes, fowls 3047
linkage, pigs 4124
meiosis, recombination, mice 4059
molecular genetics
fishes 3951
reviews 832
mutations, nucleotide sequences, mice 1218
nucleotide sequences 2508
arctic foxes 6244
cattle 662, 887, 2893, 4065
fishes 1229
fowls 706, 1783, 5573
horses 3944, 6224
mice 3976
pigs 1771, 6243
rats 191, 1773, 2335, 3957, 3988
sheep 656
strain differences, mice 1790
polymerase chain reaction, single strand conformation polymorphism, fowls 5863
Pseudomonas aeruginosa, disease resistance, recombinant vaccines, mice 1188
recombination, nucleotide sequences, mice 1784
restriction fragment length polymorphism
buffaloes 1417
cattle 558, 887
disease resistance
footrot, sheep 4134
helminthoses, sheep 881, 2248
fowls 898, 3605, 4138
Major histocompatibility complex *cont.*
restriction fragment length polymorphism *cont.*
goats 6469
mice 3078
pigs 5861, 6243
recombination, fowls 3595
sheep 1398, 3593, 4673
satellite DNA, polymorphism, mice 2529
T lymphocytes
clonal selection
mice, reviews 824
transgenics, mice 2399
receptors, diabetes, gene expression, transgenics, mice 42
selection, gene expression, transgenics, mice 1128
targeted mutagenesis, mice, reviews 5550
transcription, proto-oncogenes, cell lines 250
transforming growth factor
gene expression, mice 3513
targeted mutagenesis, mice 3513
transgenics
immune response, mice 4415
mice, reviews 5550
Malaria, disease resistance, haemoglobin, transgenics, mice 2817
Malate dehydrogenase
cell culture, *Cucumis sativus* 5798
gene expression
Cucumis sativus 5798
Oryza sativa 5642
nucleotide sequences, *Oryza sativa* 5642
tissue culture, *Cereus peruvianus* 1556
Malate dehydrogenase ($NADP^+$)
chloroplast genetics, *Mesembryanthemum crystallinum* 4533
gene expression, *Mesembryanthemum crystallinum* 4533
nucleotide sequences, *Mesembryanthemum crystallinum* 4533
Malate synthase
cell culture, *Cucumis sativus* 5798
gene expression
Brassica napus 4655
Cucumis sativus 5798
genetic engineering, *Brassica napus* 4655
genetic transformation, *Nicotiana tabacum* 4655
promoters, *Brassica napus* 4655
Male pronucleus
oocytes, *in vitro* fertilization, electric current, pigs 2664
ova, *in vitro* fertilization, electric current, pigs 2664
Male sterility
gene expression
Brassica napus 4335
Nicotiana tabacum 1890
gene mapping, *Zea mays* 6070
genetic engineering, plants 4361
genetic transformation
Brassica napus 4335
fatty oil plants 2156
Nicotiana tabacum 2156
restriction fragment length polymorphism, *Zea mays* 6070
Malignant catarrhal fever virus
detection, polymerase chain reaction, sheep 411
nucleotide sequences, polymerase chain reaction, sheep 411
Malting quality, random amplified polymorphic DNA, *Hordeum vulgare* 3629
Maltose
anther culture
Oryza sativa 4321
Triticum aestivum 494
Malus
in vitro culture, ethylene 3714
nucleotide sequences 3997
naringenin 3-dioxygenase 2937
restriction fragment length polymorphism, mitochondrial genetics 2546
tissue culture
coumarins 478
light 478
organogenesis 3191, 3220

Malus hupehensis
DNA fingerprinting 394
polymerase chain reaction 394
Malus prunifolia, tissue culture 4290
Malus pumila
antibodies, ACC oxidase 4776
gene expression
insects 2244
leaves 1382
polygalacturonase 5856
ribulose-bisphosphate carboxylase activase 1382
ripening 5856
genetic engineering, ACC oxidase 871
genetic transformation 1668
Agrobacterium rhizogenes 6028
Agrobacterium tumefaciens 15, 4953, 6135
antibiotics 4948
insects 2244
roots 1679
selectable markers 4948
in vitro culture, cryopreservation 3747
in vitro selection
pathogenesis-related proteins 1720
Phytophthora cactorum 1720, 2303
nucleotide sequences
fruits 4012
leaves 1382
ribulose-bisphosphate carboxylase 5624
ribulose-bisphosphate carboxylase activase 1382
protoplasts 1000, 2103
somaclonal variation 2103
Erwinia amylovora 6216
isoenzymes 2302
regenerative ability 6217
rooting capacity 6217
tissue culture 1668, 2244, 4290, 6655
Agrobacterium rhizogenes 6028
antibiotics 6662
regeneration 6662
somatic embryogenesis 3739
Malus scheideckeri
DNA fingerprinting 394
polymerase chain reaction 394
Mammals
activin, gene expression, reviews 4066
amino acids, transporters, neurotransmitters, molecular genetics, reviews 3509
cell fusion, microcell hybrids, techniques 3418
cells
molecular genetics, techniques, books 3306, 3418, 3655, 3658, 3667
morphology, biosensors 3782
movement, biosensors 3782
phosphoglycerate kinase, promoters, vectors 2761
retroviral vectors, gene transfer, reviews 4930
chromosomes, transfer, cell fusion, microcell hybrids, reviews 3655
cloning
chromosomes, books 6753
genes, techniques, cells 3665
techniques, books 6753
DNA
isolation, cells, techniques 3130
transfection, reporter genes, cells 2768
DNA libraries
chromosomes, dissection 179
microcloning 179
DNA methylation, patterns, development, reviews 5171
DNA methyltransferase, DNA methylation, reviews 5136
embryos
DNA libraries, DNA hybridization, subtraction 3660
freezing, cryoprotectants, proteins 3159
in vitro development
culture media 2063, 3161
growth factors 2063, 3161
oxygen 2063
proteins 3161
survival, cooling 3165
Mammals *cont.*
follistatin, gene expression, reviews 4066
FSH, gene expression, reviews 4052
gene expression, reproduction, books 2739
gene mapping, reference loci, reviews 3069
genes
activation
oestrogens, reviews 4042
progesterone, reviews 4042
imprinting, reviews 2395
sex determination, molecular genetics, reviews 365
genomes
imprinting
DNA methylation, reviews 2419
gene expression, reviews 2406
glucokinase, gene expression, reviews 4590
GnRH, gene expression, reviews 4030
imprinting, DNA methylation, reviews 5179
inhibin, gene expression, reviews 4066
intestines, gene transfer, transposable elements, bacteria, reviews 565
LH, gene expression, reviews 4052
liposomes, gene transfer, techniques, cell lines 4929
messenger RNA, splicing, ribonucleoproteins, reviews 4118
minisatellites 2534
Mullerian inhibiting substance, gene expression, reviews 3938
nucleotide sequences, CpG islands, DNA methylation, reviews 5565
oocytes, freezing, cryoprotectants, proteins 3159
polymerase chain reaction, embryos, sex diagnosis, reviews 6579
promoters, Herpesviridae, vectors, gene expression, cell lines 5013
proteins, production, genetic engineering, cell lines, reviews 6221
recombinant DNA, gene expression, enhancement, butyric acid, analogues, cell lines 3507
RNA, transfection, liposomes, cell lines, techniques 4924
sex determination, gene expression, embryos, reviews 2405
species, DNA hybridization, chromosome painting, DNA, synteny 6493
spermatogenesis, molecular genetics, reviews 1848
spermatozoa, X-Y separation, flow cytometry 1071
targeted mutagenesis, vectors, cells, techniques 2247
transposable elements, nucleotide sequences 702
vectors
enhancers, gene expression, cell lines 3309
gene expression, polyadenylation, signals 4928
plasmids, gene transfer, cell lines 1103
subcellular targeting 4926
Mammary gland factor
gene expression, prolactin, mammary glands, rats 5184
nucleotide sequences, sheep 3987
Mammary gland neoplasms, animal models, books 5466
Mammary glands
albumins
gene expression, transgenics, mice 4963
secretion, prediction, milk, transgenics, mice 4962
antitrypsin, gene expression, transgenics, sheep, reviews 3330
casein, nucleotide sequences, rabbits 5031
cell lines
insulin-like growth factor
binding proteins, gene expression, cattle 5015
gene transfer, cattle 5015
Mammary glands *cont.*
cytokines, receptors, transcription factors, gene expression, rats 5184
gene expression, gene transfer, lysozyme, mice 3335
gene transfer
proteins
milk
laboratory mammals, reviews 4964
livestock, reviews 4964
glucosaminyl *N*-deacetylase/*N*-sulfotransferase, nucleotide sequences, mice 5036
GnRH
gene expression
lactation, rats 5175
pregnancy, rats 5175
heparitin sulfotransferase, nucleotide sequences, mice 5036
β-lactoglobulin, promoters, gene expression, hormonal control, mice 4963
mammary gland factor, gene expression, prolactin, rats 5184
neoplasms
oncogenes, protein-tyrosine kinase, transgenics, mice 3329
transforming growth factor, transgenics, animal models, reviews 5495
pharmaceutical proteins, gene transfer, transgenics, livestock, reviews 2813
proto-oncogenes, gene expression, mice 766
selectins, binding proteins, gene expression, mice 5172
somatotropin
gene transfer
gene expression, mice 1137
Retroviridae, goats 6158
milk, lactation, transgenics, goats 6158
superoxide dismutase, gene expression, transgenics, mice 4408
Mammary hyperplasia
cyclins, gene expression, transgenics, mice 6167
oncogenes, gene expression, transgenics, mice 6167
Man, gene mapping, homologues, rats 4695
Management, gene transfer, transgenics, mice 4406
Manduca sexta
genetic transformation
Lycopersicon esculentum 2266
Nicotiana plumbaginifolia 1183
Solanum tuberosum 127
Manihot
chloroplast genetics, evolution 1972
restriction fragment length polymorphism 5268
evolution 1972
Manihot aesculifolia
gene mapping 1969
restriction fragment length polymorphism 1969
Manihot esculenta
biotechnology, directories 6746
gene expression
regeneration
1,4-α-glucan branching enzyme 6423
starch synthase 6423
roots 3011
gene mapping 1969
genetic transformation
roots 3011
techniques 1672
nucleotide sequences
β-glucosidase 5653
linamarase 5653
starch synthase 2372
promoters, roots 3011
restriction fragment length polymorphism 1969, 5268
tissue culture
regeneration
1,4-α-glucan branching enzyme 6423
starch synthase 6423
somatic embryogenesis 1672

Mannitol, *in vitro* selection, *Vigna radiata* 624
Mannopine synthase
gene expression, *Nicotiana tabacum* 294, 869
genetic transformation, *Nicotiana tabacum* 294, 869
promoters, *Nicotiana tabacum* 294, 869
Mannose-6-phosphate, receptors, targeted mutagenesis, embryonic stem cells, lysosomes, proteins, mice 5549
α-Mannosidase
gene expression
mice 5047, 5056
rabbits 5056
rats 5056
nucleotide sequences
mice 5047, 5056
rabbits 5056
Manures, biogas, production, anaerobic digesters, design, Czech Republic 3267
Marek's disease virus, nucleotide sequences 85
Marine biology, biotechnology, research, Japan 3296
Marker genes
breeding value, prediction, quantitative traits, livestock 6450
carotenoids, vectors, cloning 5335
cloning, selection, suppressor elements, techniques 5328
distribution, linkage, estimation, statistics 3077
DNA
cloning, techniques, restriction endonucleases 6576
polymorphism, gene mapping, cattle 6451
embryonic stem cells, targeted mutagenesis, vectors, Picornaviridae, mice 4931
fecundity, satellite DNA, sheep 3063
gene expression, promoters, adipocytes, rats 4759
gene mapping, mice 907
gene symbols, mice 875
gene transfer, liver, endocytosis, hepatectomy, rats 562
globins, promoters, targeted mutagenesis 5325
immunoglobulins, linkage, pigs 3075
linkage, quantitative traits, genome maps, models 4122
microsatellites
cattle 6115
pigs 6115
minisatellites, dogs 2525
quantitative traits
genetic improvement, cattle 1960
linkage
algorithms 2201
crossing, methodology 6468
experimental design 3065
statistical analysis 6455
repetitive DNA
isolation techniques, mice 876
pigs 886
restriction fragment length polymorphism, linkage, gene mapping, rats 3592
satellite DNA
eukaryotes 2553
gene mapping, cattle 3073
sex diagnosis, chromosomes, polymerase chain reaction, techniques 5250
Mast cells, proto-oncogenes, tyrosine kinase, receptors, mice, reviews 2393
Mastitis
ELISA, diagnosis 4228
somatotropin
milk composition, cattle 4341
milk yield, cattle 4341
Maternal effects
transforming growth factor, targeted mutagenesis, mice 6213
zein, *Zea mays* 5781
Mathematics
chloroplast genetics, plants 3994
evolution 4206
nucleotide sequences 4200, 4206, 4214-4215, 6318
Mathematics *cont.*
nucleotide sequences *cont.*
plants 3994
RNA editing 4221
Mating types
genetic transformation
Ustilago segetum 1161
Ustilago zeae 1161
nucleotide sequences
Cochliobolus heterostrophus 131
Ustilago segetum 1161
Ustilago zeae 1161
Matrix associated regions
DNA footprinting, *Zea mays* 323
gene dosage, *Nicotiana tabacum* 4630
gene expression, *Nicotiana tabacum* 4630
genetic transformation, *Nicotiana tabacum* 4630
immunoglobulins, transcription, lymphocytes, mice 6340
molecular genetics, plants, reviews 6360
Zea mays 272
Maturase
antibodies, *Solanum tuberosum* 2947
cloning, *Solanum tuberosum* 2947
mitochondrial genetics, *Zea mays* 5705
nucleotide sequences, *Zea mays* 5705
Meat, origin, identification, restriction fragment length polymorphism, cattle, Korea Republic 558
Meat production, molecular genetics, livestock, reviews 1661
Meat quality
β-adrenergic agonists, pigs 1605
organoleptic traits, β-adrenergic agonists, pigs 3257-3258
somatotropin
cattle 1606, 2168
Germany 2751
pigs 2169
tenderness, β-adrenergic agonists, pigs 3257-3258
Mechanical damage
gene expression, *Bryonia cretica* 1801
nucleotide sequences, *Bryonia cretica* 1801
Meconopsis paniculata, tissue culture, regeneration 5400
Meconopsis simplicifolia, tissue culture, regeneration 1026
Medicago, restriction fragment length polymorphism 5879
Medicago falcata
nucleotide sequences, cold resistance 2969
tissue culture, regenerative ability 2627
Medicago polymorpha
protoplasts, regeneration 2107
tissue culture, regeneration 2107
Medicago sativa
gene expression
acetyl-CoA carboxylase 5692
acid protease 1371
D-alanine transaminase 6270
antifreeze proteins 6099
chalcone isomerase 1818, 5017
chalcone *O*-methyltransferase 1818
cold resistance 1080, 1616, 5098, 6099
disulfide isomerase 2473
glufosinate 6200
glycine-rich proteins 6099
herbicide resistance 6200
naringenin-chalcone synthase 5017
Rhizobium meliloti 293
nitrogen fixation 3996
nodulation 3996, 5017, 6357
nodulins 1815, 6393
nutritive value 4976
phosphoprotein phosphatase 6301
proteins 4976
Rhizobium 4107
Rhizobium meliloti 3933, 6357
symbiosis 4107
gene mapping 2017
random amplified polymorphic DNA 4704
restriction fragment length polymorphism 4704
genetic engineering, caffeic acid *O*-methyltransferase 4635
Medicago sativa *cont.*
genetic transformation
Agrobacterium tumefaciens 4946
cold resistance 4357
glufosinate 6200
herbicide resistance 6200
nodulins 6393
nutritive value 4976
proteins 4976
superoxide dismutase 4357
techniques 6136
immunology, disulfide isomerase 2473
in vitro selection, aluminium 163
molecular genetics, aspartate aminotransferase 2448
nodulation, *Rhizobium meliloti* 172
nucleotide sequences
acetyl-CoA carboxylase 5692
D-alanine transaminase 6270
annexins 5677
chalcone isomerase 1818, 5017
chalcone *O*-methyltransferase 1818
cold resistance 1080, 5098
DNA binding proteins 230
glutamate synthase 227
naringenin-chalcone synthase 5017
nodulation 5017
nodulins 1815
phosphoprotein phosphatase 6301
salinity 230
ubiquitin carrier protein 738
protoplast fusion 2638
chloroplast genetics 28
intergeneric hybridization 3319
mitochondrial genetics 28
random amplified polymorphic DNA 2017
restriction fragment length polymorphism 4174
heterozygosity 5897
somaclonal variation, repetitive DNA 1757
symbiosis, *Rhizobium meliloti* 172
tissue culture
phosphorus 6647
Rhizobium meliloti 3933
somatic embryogenesis 481, 994-995, 4946
Medicago truncatula
gene expression
flavonoids 5804
Glomus versiforme 5804
glutamate-ammonia ligase 1922
nucleotide sequences
nodulins 5130
proline-rich proteins 6329
Medicago varia, gene expression, phosphoprotein phosphatase 6301
Medicinal plants
biotechnology, conferences 6113
genetic transformation 4994
in vitro culture 3289
Meiosis
gene expression
Helianthus annuus 5844
Triticum aestivum 4542
germ cells, males, immortalization 6597
mitochondrial genetics, *Helianthus annuus* 5844
nucleotide sequences, *Triticum aestivum* 4542
proteins
sex chromosomes
spermatogenesis
gene expression, mice 3506
nucleotide sequences, mice 3506
recombination, major histocompatibility complex, mice 4059
spermatogenesis, *in vitro* culture, cell lines, immortalization 2666
stage, nuclei, transfer, embryos, *in vitro* development, sheep 4849
Melampsora lini
gene mapping, *Linum usitatissimum* 605
restriction fragment length polymorphism, *Linum usitatissimum* 605
Melanin, *Bacillus thuringiensis* subsp. *israelensis,* toxins, *Aedes aegypti,* protection 4894

Melanotropins, receptors, genes, colour, molecular genetics, mice 818
Melatonin
breeding season
females, sheep 4880
goats 532
conception rate, goats 532
lambing rate, breed differences, sheep 3770
litter size, goats 532
oestrus, induction, sheep 2148
reproduction, sheep 3245
Meloidogyne
DNA probes, *Lycopersicon esculentum* 378
gene expression, *Nicotiana tabacum* 2849
gene mapping
Lycopersicon esculentum 1163, 3097
Lycopersicon peruvianum 3097
mitochondrial genetics, repetitive DNA 3356
polymerase chain reaction 440
Lycopersicon esculentum 378, 3912
promoters, *Nicotiana tabacum* 2849
random amplified polymorphic DNA 3671
Lycopersicon esculentum 3912
restriction fragment length polymorphism
Lycopersicon esculentum 1163
repetitive DNA 3356
Meloidogyne chitwoodi
protoplast fusion
Solanum bulbocastanum 3867
Solanum tuberosum 3867
Meloidogyne incognita
gene expression
Arabidopsis thaliana 1889
Lycopersicon esculentum 3898, 6248
Nicotiana tabacum 1889
genetic transformation
Arabidopsis thaliana 1889
Nicotiana tabacum 1889
nucleotide sequences, *Lycopersicon esculentum* 6248
promoters
Arabidopsis thaliana 1889
Nicotiana tabacum 1889
tissue culture, *Lycopersicon* 471
Meloidogyne javanica, gene expression, *Nicotiana tabacum* 2265
Membrane alanyl aminopeptidase
gene expression, kidneys, rabbits 5619
nucleotide sequences, rabbits 5619
Membrane proteins
adipocytes
gene expression, rats 5564
nucleotide sequences, rats 5564
gene expression 3556
Antirrhinum majus 727
Arabidopsis thaliana 1288
Lycopersicon esculentum 4539
Plasmodium berghei 77
Zea mays 1372
gene mapping
Borrelia afzelii, plasmids 3883
Borrelia burgdorferi, plasmids 3883
Borrelia garinii, plasmids 3883
Plasmodium berghei 77
mitochondrial genetics, *Zea mays* 1372
nucleotide sequences 3556
Antirrhinum majus 727
Arabidopsis thaliana 223, 1288, 4555
cell lines, proliferation, mice 2330
equine herpesvirus 1153
Lycopersicon esculentum 4539
Plasmodium berghei 77
Saccharum 2932
spermatozoa, rats 687
Spinacia oleracea 5638
Theileria sergenti 3884
polymerase chain reaction, *Spinacia oleracea* 5638
promoters
nucleotide sequences
Borrelia afzelii 3883
Borrelia burgdorferi 3883
Borrelia garinii 3883
Membrane transport
G proteins
gene expression, mice 5076
nucleotide sequences, mice 5076
Membranes
mitochondrial genetics, *Zea mays* 3026, 5535
targeted mutagenesis, *Zea mays* 5535
Mentha piperita
genetic transformation, *Agrobacterium tumefaciens* 3396
protoplasts, regeneration 501
tissue culture, terpenoids 3396
Meprin
gene expression, mice 5575
gene mapping, restriction fragment length polymorphism, mice 5575
nucleotide sequences, mice 5575
Meprin-A
gene expression, strain differences, mice 364
gene mapping, mice 364
Mercurialis annua, DNA probes, sex 422
Mercuric chloride
gene expression
Phaseolus vulgaris 4353
Zea mays 4353
Mesembryanthemum crystallinum
chloroplast genetics
malate dehydrogenase ($NADP^+$) 4533
photosystem II 6266
gene expression
malate dehydrogenase ($NADP^+$) 4533
ribulose-bisphosphate carboxylase 2719
salinity 2719
nucleotide sequences
malate dehydrogenase ($NADP^+$) 4533
photosystem II 6266
Messenger RNA (*see also* RNA)
androgens, receptors, polymerase chain reaction, rats, techniques 5350
measurement, techniques 2403
splicing
ribonucleoproteins, mammals, reviews 4118
small nuclear RNA, reviews 4041
Metabolism
glucose, glucose, transporters, gene expression, transgenics, mice 5501
research, targeted mutagenesis, enhancement, mice, reviews 2862
Metabolites, somatotropin, blood, cattle, lactation 4342
Metalloproteinases
gene expression
embryos, mice 6231
mice 5144
proto-oncogenes, transgenics, mice 5144
nucleotide sequences, mice 6231
Metallothionein
cadmium, toxicity, gene expression, transgenics, mice 158
cloning, *Caenorhabditis elegans* 104
DNA
nucleotide sequences
fowls 1786
pheasants 1786
quails 1786
turkeys 1786
gene expression
Arabidopsis thaliana 5712
Nicotiana tabacum 6384
regulation, transgenics, mice 5751
gene mapping, DNA hybridization, rats 5254
genetic transformation, *Nicotiana tabacum* 3347, 4103, 6384
nucleotide sequences, *Arabidopsis thaliana* 5712
promoters, transcription, activation, mice 3008
somatotropin, gene expression, promoters, transgenics, mice 3780
targeted mutagenesis, embryonic stem cells, mice 158
transcription factors, nucleotide sequences, mice 3008
Metarhizium anisopliae, restriction fragment length polymorphism 2170
Metarhizium flavoviride, restriction fragment length polymorphism 2170
Methane production
anaerobic digestion, animal wastes, models 2707
cattle dung
anaerobic digestion, surfactants 6707
poultry manure, whey, anaerobic digestion, temperature, retention 6708
crop residues, animal wastes, anaerobic digestion 6096
poultry waste, anaerobic digestion, surfactants 6707
refuse, anaerobic digestion 6086, 6095
whey, anaerobic digestion, surfactants 6707
Methomyl
genetics, *Zea mays* 5558
in vitro selection, *Zea mays* 5558
Methotrexate
cell culture, *Datura fastuosa* 5010
Datura fastuosa 3931
in vitro culture, *Datura fastuosa* 5010
6-Methoxymellein, cell culture, *Daucus carota* 5996, 469
Methyl jasmonate
cell culture, *Lithospermum erythrorhizon* 4470
gene expression
Hordeum vulgare 332
Nicotiana tabacum 1900
genetic transformation, *Nicotiana tabacum* 1900
promoters, *Nicotiana tabacum* 1900
Methylated-DNA-protein-cysteine *S*-methyltransferase, gene expression, carcinoma, liver, carcinogens, exposure, transgenics, mice 40
Methylmalonyl-CoA mutase
gene expression, mice 5083
nucleotide sequences, mice 5083
***N*-methyl-*N*-nitrosourea**
cell culture, *Alhagi kirghisorum* 2878
in vitro selection, *Alhagi kirghisorum* 2878
somaclonal variation, *Alhagi kirghisorum* 2878
***N*-methylputrescine oxidase**
genetic transformation, *Nicotiana tabacum* 4097
immunology, *Nicotiana tabacum* 4097
Methyltransferases
cell culture, *Ruta graveolens* 4446
gene expression, *Zea mays* 851
nucleotide sequences
Arabidopsis thaliana 5123
Zea mays 851
5-Methyltryptophan, somaclonal variation, *Solanum tuberosum* 5009
Mice
abnormalities, asymmetry, insertional mutagenesis, transgenics 1135
acetylcholine, receptors, nucleotide sequences 3959
acetylcholinesterase, RNA, alternative splicing, gene expression 799
acid phosphatase
nucleotide sequences 2886
promoters, gene expression, iron 2978
actin
gene mapping, polymerase chain reaction, satellite DNA 878
promoters
gene expression, transgenics, embryos 2235
gene transfer
gene expression
muscles 3322
myocardium 3322
activin
targeted mutagenesis
eyelids 3925
reproduction 3925
addressin, nucleotide sequences, lymphocytes 5024
adenosine deaminase, promoters, transcription 2382
adenosinetriphosphatase
gene mapping, restriction fragment length polymorphism 3608
nucleotide sequences 1221

Mice *cont.*
adenosinetriphosphatase *cont.*
targeted mutagenesis, embryonic stem cells 5547
Adenoviridae
vectors
gene therapy, liver cells 4937
gene transfer, liver cells 4937
adenylate cyclase, inhibitors, targeted mutagenesis, embryonic stem cells, polymerase chain reaction 3405
α-adrenergic receptors, gene mapping, genetic polymorphism 3607
albinism, lethals, molecular genetics, reviews 792
albumins
gene expression, mammary glands, transgenics 4963
secretion, prediction, milk, mammary glands, transgenics 4962
alcohol dehydrogenase
gene mapping 3581
nucleotide sequences 3581
promoters 256
amyloid
gene expression, transgenics 4410
gene transfer, embryonic stem cells 4410
amyloid precursor protein, restriction fragment length polymorphism 1939
anaemia
gene mapping, restriction fragment length polymorphism 919
thrombocytopaenia, gene mapping, restriction fragment length polymorphism 372
anaphylaxis, gene therapy 2288
androgen-regulated protein
gene mapping 664
nucleotide sequences 664
promoters, gene expression 664
androgens
receptors
promoters
gene expression 5146
c-AMP 4048
angiotensin converting enzyme, promoters, gene expression, spermatozoa 5733
angiotensinogen
gene expression 5005
blood pressure, transgenics 583
anions, transporters, gene expression 2325
antigens
bullous pemphigoid, gene mapping, restriction fragment length polymorphism 359
Fas, gene expression, transposable elements 5140
heat stable
gene mapping, restriction fragment length polymorphism 2420
nucleotide sequences 2420
histocompatibility, gene mapping, microsatellites 4144
simian virus 40, transformation, cells, specificity 2239
thymocytes, nucleotide sequences 6227
antisense DNA
immunity, stimulation 2867
toxicity, pregnancy 2861
transcription factors
mortality, gene therapy 6202
spleen 2867
toxicity, gene therapy 6202
uptake, streptolysin, cells 2756
antitrypsin, gene transfer, liposomes, liver cells 2204
apolipoproteins
DNA hybridization 362
enhancers, transcription, regulation, transgenics 594
gene expression
atherosclerosis, transgenics 6161
deoxyribonuclease I, hypersensitivity, liver 3871
enhancers, liver, transgenics 3871
intestines, transgenics 5193

Mice *cont.*
apolipoproteins *cont.*
gene expression *cont.*
promoters, liver, transgenics 3871
transgenics 38
reviews 4061
promoters, transcription, regulation, transgenics 594
restriction fragment length polymorphism 362
RNA editing, transgenics 2222
arginine vasopressin, gene mapping, restriction fragment length polymorphism 367
argininosuccinate synthase, targeted mutagenesis, citrullinaemia 6164
arrestin, promoters, gene expression, DNA binding proteins 5737
asialoglycoproteins, receptors, nucleotide sequences 710
atherosclerosis, animal models 2233
autoantibodies, transgenics, autoimmune diseases 4412
B lymphocytes
activation, proteins, nucleotide sequences 3435
antigens
gene mapping
DNA hybridization 4141
restriction fragment length polymorphism 4141
nucleotide sequences 1227
maturation factors, nucleotide sequences 3985
bacterial diseases, immune response, targeted mutagenesis, reviews 6211
biglycan
gene mapping
restriction fragment length polymorphism 883
yeast artificial chromosomes, pulsed field electrophoresis 883
bikunin
precursors
gene mapping, restriction fragment length polymorphism 4502
nucleotide sequences 4502
bile
glycoproteins
gene expression 3440
nucleotide sequences 3440
biolistics, gene transfer, trachea 2207
blastocyst, freezing, survival, cryoprotectants 974
blood coagulation factors
gene transfer
Adenoviridae, vectors, liver cells, gene therapy 2206
fibroblasts, gene therapy 4939
retroviral vectors, fibroblasts 1665
bone morphogenetic protein
gene expression, embryos 6231
nucleotide sequences 2906, 6231
breeding programmes, transgenics 2803
brown fat, deficiency, obesity, transgenics 3333
c-AMP, response element, binding proteins, targeted mutagenesis, transcription factors 6210
C-reactive protein
nucleotide sequences, liver 5741
promoters, gene expression, liver 5741
cadherins
gene expression 2992
nucleotide sequences 2992
cadmium, toxicity, metallothionein, gene expression, transgenics 158
calcium
channels
gene expression 6228
gene mapping, DNA hybridization 6228
nucleotide sequences 6228
calponin, nucleotide sequences 3456
calretinin, nucleotide sequences 1305
carbonic anhydrase related protein, gene mapping 4678

Mice *cont.*
carboxylesterase, nucleotide sequences 4499
casein, promoters, gene expression, hormonal control 790
catenins
gene expression, nervous system 6242
gene mapping 6242
nucleotide sequences 6242
cell adhesion molecule, nucleotide sequences 635
cell lines, genes, homeo box, gene expression 2402
cells
differentiation, gene expression, embryonic development, reviews 4046
transplantation, gene therapy, haemophilia 1665
centrosomes, proteins, gene expression, cell lines 265
chaperonins, nucleotide sequences 5054
chimaeras, identification, spermatozoa, polymerase chain reaction 3876
cholesterol 7α-monooxygenase
transcription
enhancers
bile acids 4057
cholesterol 4057
transgenics, liver 4057
cholesteryl esters
transfer proteins
gene transfer, lipoproteins, receptors 2226
transgenics 2233
chromatin
high mobility group proteins
gene expression, embryos 4589
gene mapping, restriction fragment length polymorphism 4589
nucleotide sequences 4589
chromosome mapping, centromeres, DNA probes 6476
chromosome maps 6480-6481
chromosome banding, chromosome aberrations 6453
genomes, imprinting 6454
linkage 2510
chromosomes, detection, DNA probes 3048
ciliary neurotrophic factor
gene mapping 4677
targeted mutagenesis, embryonic stem cells, neurons, degeneration 1744
circadian rhythm
gene mapping 4694
nucleotide sequences 4694
cleft palate, gene mapping, restriction fragment length polymorphism 3057
clusterin
gene expression, embryos 2892
nucleotide sequences 2892
coat colour
agouti, regulation, genes, exons 6348
piebald, gene mapping 6484
collagen
gene expression 5070
mutations, skeleton, abnormalities, transgenics 1693
nucleotide sequences 3958, 5070
promoters
DNA binding proteins 3518
gene expression 3958
skull
transgenics
c-AMP 37
parathyrin 37
transgenics, cell lines 5740
complement, RNA, alternative splicing 1871
connexin
gene expression 3004
nucleotide sequences 3004
coproporphyrinogen oxidase
gene expression 5590
nucleotide sequences 5590

Mice *cont.*
- corticoliberin
  - gene mapping, restriction fragment length polymorphism 1951
  - receptors
    - gene expression, pituitary 5080
    - nucleotide sequences, pituitary 5080
- crystallins, nucleotide sequences 3943
- cyclins, gene expression, mammary hyperplasia, transgenics 6167
- cyclophilin, binding proteins, nucleotide sequences 180
- cystic fibrosis
  - transmembrane conductance regulator
    - gene transfer, liposomes, inhalation 4384
    - RNA, alternative splicing 1314
- cytochromes
  - gene expression
    - kidneys 5724
    - sex differences 760
  - gene mapping, restriction fragment length polymorphism 760
  - nucleotide sequences 760, 2337
    - kidneys 5724
- cytokeratin
  - chromatin, structure, embryonic development 808
  - enhancers, DNA binding proteins 2987, 3515
  - gene expression, epithelia, transgenics 580
- cytokines
  - receptors
    - gene mapping 701
    - nucleotide sequences 701, 5761
    - transcription, liver, pregnancy 5761
  - targeted mutagenesis, disease resistance, viruses, reviews 2860
- desmin, gene expression, muscles, transgenics 2808
- desmoyokin, nucleotide sequences, plasma membranes 5046
- diabetes, major histocompatibility complex, gene therapy 2238
- differentiation, DNA methylation, muscles 5149
- dihydropyridine, receptors, gene mapping, molecular genetics 1397
- disease resistance
  - diabetes, gene mapping, microsatellites 1934
  - malaria, haemoglobin, transgenics 2817
- diseases, urogenital syndrome, gene mapping, restriction fragment length polymorphism 1406
- DNA
  - CpG islands, genes, number 2555
  - injection
    - gene transfer, efficiency, skeletal muscle 1664
    - muscles, gene expression 4935
    - yeast artificial chromosomes, gene transfer 5950
  - integration, chromosomes, genome analysis, transgenics 1127
  - polymorphism, detection, synthetic tandem repeats, gene mapping 904
  - replication
    - initiation
      - DNA binding proteins 5033
      - nucleotide sequences 5033
- DNA binding proteins
  - gene expression 784
    - testes 5719
  - gene mapping
    - DNA hybridization 1958
    - microsatellites, electrophoresis 1933
    - restriction fragment length polymorphism 1958
      - electrophoresis 1933
  - globins
    - gene expression
      - haematopoiesis 5574
      - testes 5574
  - heat shock, transcription factors 2401

Mice *cont.*
- DNA binding proteins *cont.*
  - nucleotide sequences 694, 784, 1958, 2343, 3964
    - mutations 5496
    - testes 5719
  - promoters
    - gene expression, muscles, development 791
    - restriction fragment length polymorphism 791
- DNA libraries, chromosomes, flow cytometry 3610
- DNA methylation
  - detection, brain, development, techniques 5152
  - embryonic development, reviews 2982
- DNA polymerase, targeted mutagenesis, T lymphocytes 6208
- DNA probes
  - chromosome maps 1941, 3610
  - detection
    - chimaeras, ovaries 4404
    - *Staphylococcus*, phagocytes 5355
- DNA repair
  - proteins
    - gene mapping 3980
    - nucleotide sequences 3980
- DNA topoisomerase
  - gene mapping 673, 3582
  - nucleotide sequences 673, 3582
- dodecenoyl-CoA Δ-isomerase, nucleotide sequences 1787
- dopamine
  - receptors
    - nucleotide sequences 777
    - RNA, alternative splicing 777
  - transporter, gene mapping, restriction fragment length polymorphism 4682
- drug delivery systems, liposomes, Japanese encephalitis virus 4441
- drug resistance, kinesin, inhibition, cell lines 5328
- dwarfism, gene mapping, molecular genetics 1936
- dystrophin, gene transfer, muscles, gene therapy, muscular dystrophy 4387
- egg proteins, lysozyme, transgenics, immune tolerance, self tolerance, T lymphocytes 3339
- ELISA, *Streptobacillus* 1473
- embryo culture, techniques, books 6765
- embryo implantation, embryos, freezing 2067
- embryo transfer
  - embryos, *in vivo* development, oestrous cycle, asynchrony 1519
  - pregnancy rate 5425
    - embryos
      - blastomere, biopsy 958
      - freezing 4234
      - vitrification 2061
    - oocytes, freezing 4867
    - spermatozoa, freezing 3756
- embryonic development
  - enhancers 2422
  - preimplantation period, blastocyst, gene expression, reviews 4045
  - promoters 2422
  - stage, embryos, monoclonal antibodies 414
- embryonic stem cells
  - cell lines 5368
  - chimaeras
    - aggregation, tetraploidy, techniques 2604
    - production, techniques 2072
  - differentiation, transcription, inhibition 4931
  - targeted mutagenesis, marker genes, vectors, Picornaviridae 4931
  - vectors, gene expression, interferon, development 4936
- embryos
  - blastomere
    - biopsy
      - *in vitro* development 958
      - sex diagnosis, polymerase chain reaction 960

Mice *cont.*
- embryos *cont.*
  - DNA, injection, pipettes 5946
  - freezing
    - culture media, *in vitro* development 4798
    - oxidants 2067
    - straws, size, *in vitro* development 4798
    - survival
      - blood serum 970
      - sodium hyaluronate 970
  - fusion
    - culture media, *in vitro* development 6610
    - electric current, *in vitro* development 6610
  - germ cells, *in vitro* culture, growth factors 959
  - glycoproteins, microfibrils, gene expression 2389
  - *in vitro* culture, *in vivo* development 5368
  - *in vitro* development
    - androgenesis 1046
    - betaine 1041
    - cryoprotectants 974
    - culture media 1526-1527, 2066
      - EDTA 1515
      - glucose 1515
      - glutamine 1515
      - potassium 5361
      - sodium fluoride 3689
      - storage 1529
    - embryos, freezing 2067, 3682, 5366
    - gametes, freezing 3686
    - glucose 5965
    - H-Y antigen 4806
    - interferon 1538
    - nuclei, transfer 5375
    - oocytes, freezing 4867
    - proteins 2062
    - sex differences 977
    - sodium chloride 1041
    - strain differences 1515
    - superoxide dismutase 4778
  - monoclonal antibodies, ova, fertilization, detection 414
  - nucleotide sequences 683
  - sex diagnosis
    - H-Y antigen 963, 4806
    - karyotypes 963
    - polymerase chain reaction 977
  - sister chromatid exchange, oocytes, freezing 2662
  - splitting, *in vitro* development 2047
  - survival, cryoprotectants 4233
  - viability, freezing 1512
  - vitrification
    - cryoprotectants
      - raffinose, *in vitro* development 454
      - sucrose, *in vitro* development 454
    - *in vitro* development, cryoprotectants, ethylene glycol 2061
- endogenous viruses, gene mapping, restriction fragment length polymorphism 6474
- enhancers
  - DNA binding proteins, transcription, regulation 797
  - simian virus 40, gene expression, adipocytes 831
- enkephalins
  - gene expression, DNA binding proteins, brain, transgenics 4405
  - promoters, transcription, DNA binding proteins, spermatogenesis, transgenics 1126
- epidermal growth factor
  - receptors
    - nucleotide sequences 3431
    - mutations, abnormalities, hair 3967
- epoxide hydrolase
  - gene expression, liver 5576
  - nucleotide sequences, liver 5576

Mice *cont.*
erythropoietin, receptors, silencers, transcription 5766
N-ethyl-*N*-nitrosourea, gene expression, mutations, testes, transgenics 5505
exons, isolation, polymerase chain reaction 4740
fatty acids
binding proteins
promoters, gene expression, transgenics 5758
transcription, transgenics 592
α-fetoprotein, gene expression, transgenics 2820
fibrinogen, receptors, nucleotide sequences 2887
fibroblast growth factors
receptors
gene expression 1300
epidermis, transgenics 597
nucleotide sequences 1300
RNA, alternative splicing 1300
FSH, gene expression, pituitary, testosterone, transgenics 2228
G proteins
gene expression
central nervous system 5075
membrane transport 5076
nucleotide sequences 5064, 5075
membrane transport 5076
promoters
activation, retinoic acid, cell lines 5028
nucleotide sequences 5028
RNA, alternative splicing 5064
targeted mutagenesis, embryonic stem cells 615
β-galactoside, binding proteins, gene mapping, DNA hybridization 357
gangliosides, activator proteins, nucleotide sequences 637
gastrin, gene expression, neoplasms, liver, transgenics 39
gene expression
activation, embryonic development, reviews 2414
analysis, DNA hybridization, embryos 264
differential, intestines 5720
DNA methylation, transgenics 2234
embryos, polymerase chain reaction, techniques 3658
homeo box
embryos 246
segmentation, brain, reviews 2423
enhancers, brain, transgenics 2810
steroid hydroxylases, regulation, embryos 2398
transgenics 584
mesenchyme fork head, embryos 1860
morphogenesis, embryonic development, central nervous system 5725
paired box, genitalia 2392
regulation, dietary fat 247
targeted mutagenesis, embryonic development, tail 3407
techniques, books 6765
transgenics, reviews 2391
tumour suppression, spermatogenesis, transgenics, testes 5714
wingless-related MMTV integration site, antisense DNA 2385
gene mapping
bare patches, restriction fragment length polymorphism 879
development 4150
DNA hybridization 1940
growth 4145
homologues, rats 4695
linkage 2510
reviews 3050, 6458
seminal vesicles, proteins, DNA hybridization 717
striated, restriction fragment length polymorphism 879
synthetic tandem repeats 904
tailless, restriction fragment length polymorphism 918

Mice *cont.*
gene symbols 1387, 6487
DNA, segments 6488-6489
marker genes 875
satellite DNA 875
gene transfer
antigens, deletions, T lymphocytes, development 3331
antisense DNA
G proteins, gene expression 1131
major histocompatibility complex, B lymphocytes, transgenics 5497
catechol oxidase, spermatozoa, acrosome, development 4970
diseases, xeroderma pigmentosum, embryonic stem cells, chimaeras 3875
dystrophin, muscular dystrophy, gene therapy 3327
efficiency, embryos, microinjection 3324
gene therapy, muscles 4935
globins, mutations, transgenics 5494
insertional mutagenesis 6165
lysozyme, gene expression, mammary glands 3335
microinjection, embryo mortality 3324
oxytocin
androgens, in testes 2800
gene expression, testes 2800
spermatozoa, reserves 2800
testes, morphology 2800
pancreas, cellulase, gene expression 2804
simian virus 40, neoplasms 1124
somatotropin
body weight 3877
reproduction 3877
T lymphocytes, receptors, diabetes, transgenics 2227
transgenics, management 4406
vasopressin 2225
genes
activation, embryos, retinoic acid, transgenics 31
Brachyury, DNA binding proteins 251
butyryl-CoA dehydrogenase, detection, polymerase chain reaction 920
c-AMP responsive element modulator, transcription, FSH, spermatogenesis 779
colour, melanotropins, receptors, molecular genetics 818
DNA methylation, imprinting 5717
DNA repair
gene expression 190
nucleotide sequences 190
drug resistance, targeted mutagenesis, embryonic stem cells, liver diseases 1748
embryonic development
gene expression 2890
nucleotide sequences 2890
excision repair
gene expression, transgenics 2917
nucleotide sequences 2917
extracellular signal regulated kinase, nucleotide sequences 193
H19, genomes, imprinting, DNA methylation, embryos 775
high mobility group, nucleotide sequences 839
homeo box
DNA binding proteins 2415
gene expression 3503
embryonic development, transgenics, reviews 4051
enhancers 2397
gene expression 3514
DNA binding proteins 5736
embryonic development 823
heart, embryos 254
transgenics 2981
gene mapping 2323
nucleotide sequences 584, 1867, 2397-2398, 3514, 5026
heart, embryos 254

Mice *cont.*
genes *cont.*
homeo box *cont.*
targeted mutagenesis
embryonic development, reviews 4062
embryonic stem cells 246
embryonic development 1742
skeletal development, abnormalities 1742
spleen, aplasia 5003
transcription 2398
silencers 2397
transcription factors 1867
imprinting 5258
cloning, techniques 5147
nucleotide sequences 5147
mesenchyme fork head, nucleotide sequences 1860
midkine, gene mapping, genetic polymorphism 3614
morphogenesis, nucleotide sequences 5725
Notch
gene expression, embryos 1307
nucleotide sequences 1307
number, targeted mutagenesis, techniques 5005
osteoblast-specific factors, nucleotide sequences 708
paired box, transcription 2392
pancreatitis-associated protein, nucleotide sequences 671
recombination
gene expression 190
nucleotide sequences 190
regulation, dietary fat, isolation techniques 247
retinal degeneration, restriction fragment length polymorphism 4146
sex determination
nucleotide sequences, sex reversal 6338
polymerase chain reaction, embryos, sex diagnosis 979
RNA, splicing, DNA conformation 767
tumour suppression
DNA, binding site, nucleotide sequences 842
targeted mutagenesis
embryonic stem cells 3402
neoplasms 3402
wingless
antisense RNA
gene transfer
gene expression 1125
spermatogenesis 1125
zinc finger
gene mapping 4139
immunoglobulins, mitotic recombination, nucleotide sequences 1235
nucleotide sequences 646, 3424, 3985
testes 4139
targeted mutagenesis, brain, development 2293
genetic transformation, techniques, books 6765
genomes
imprinting
chromosome maps 2493
DNA methylation
embryonic development 764
reviews 4056
DNA replication 2994
gene expression, DNA methyltransferase 1856
reviews 4036, 5186
globins
chimaeras, gene transfer, sickle cell anaemia 5507
gene expression, transgenics 43, 2224
gene transfer, yeast artificial chromosomes 43, 2224
mutations, detection, techniques, polymerase chain reaction 2024

Mice *cont.*
- globins *cont.*
  - promoters
    - DNA binding proteins, cell lines 5759
    - gene expression, transgenics 4972
  - transcription, regulation, transgenics 2237
  - transcription factors, nucleotide sequences 634
- glucocorticoids
  - receptors
    - antisense DNA
      - energy balance, transgenics 4969
      - lipid metabolism, transgenics 4969
    - gene expression
      - chemical treatment, cell lines 5182
      - heat shock, cell lines 5182
  - transgenics, energy metabolism 4969
- glucokinase, gene mapping 2521
- glucosaminyl *N*-deacetylase/*N*-sulfotransferase, nucleotide sequences, mammary glands 5036
- glucose
  - metabolism, somatotropin, transgenics 2240
  - transporters
    - gene expression
      - diabetes, transgenics 41
      - glycolysis, muscles, transgenics 5506
      - metabolism, glucose, transgenics 5501
      - transgenics 2231
    - gene transfer, muscles 5506
    - nucleotide sequences 1934
- glucose-6-phosphate dehydrogenase
  - gene expression, transgenics 46
  - nucleotide sequences 719
- β-glucuronidase
  - gene transfer, fibroblasts, lysosomes, storage disorders, gene therapy 3352
  - mutations
    - nucleotide sequences, mucopolysaccharidosis 1155
    - restriction fragment length polymorphism, mucopolysaccharidosis 1155
- glutamate decarboxylase
  - gene mapping 4121
  - restriction fragment length polymorphism 4121
- γ-glutamyltransferase
  - gene expression 5183
  - nucleotide sequences 5183
- glutathione transferase
  - gene expression 2885
  - nucleotide sequences 2885
- glyceraldehyde-3-phosphate dehydrogenase, pseudogenes, nucleotide sequences 2894
- glycoproteins
  - antigens
    - gene expression 5607
    - nucleotide sequences 5607
  - brain
    - gene mapping, restriction fragment length polymorphism 262
    - nucleotide sequences 262
  - central nervous system
    - gene expression 781
    - nucleotide sequences 781
    - RNA, alternative splicing 781
  - microfibrils
    - gene mapping, DNA hybridization 2389
    - nucleotide sequences 2389
  - T lymphocytes
    - gene expression, transgenics 3516
    - gene mapping, restriction fragment length polymorphism 3064
    - nucleotide sequences 6240
    - targeted mutagenesis, immune response 3400

Mice *cont.*
- glycosylation inhibiting factor, nucleotide sequences 3442
- GnRH, receptors, nucleotide sequences 1782
- gonadotropins, secretion, somatotropin, transgenics 1689
- granulocytes, colony stimulating factor, promoters, gene expression 5169
- growth, DNA fingerprinting, linkage 2496
- growth factors
  - DNA binding proteins, transcription 1849
  - nucleotide sequences 175
- GTP cyclohydrolase, nucleotide sequences 2916
- H-Y antigen, receptors, transgenics, T lymphocytes 1134
- H^+/K^+-exchanging ATPase, transgenics, gastritis 4403
- haemagglutinins, influenzavirus, immunization 2207
- haematopoiesis, stem cells, proliferation, protein-tyrosine kinase, receptors, ligands 5043
- haemoglobin, restriction fragment length polymorphism 1950
- hair, abnormalities, insertional mutagenesis, transgenics 3874
- heat shock proteins
  - gene expression 2320
  - gene mapping, restriction fragment length polymorphism 3057
  - gene transfer, testes, transgenics 2819
  - nucleotide sequences 194, 1209-1210, 1213, 2320
  - promoters, gene expression, testes 2819
  - RNA, alternative splicing 1866
- heparin-binding neurotrophic factor, gene mapping, genetic polymorphism 3614
- heparitin sulfotransferase, nucleotide sequences, mammary glands 5036
- hepatocyte growth factor, receptors, gene expression, embryos 4592
- heterochromatin, satellite DNA, segregation 1408
- heteronuclear ribonucleoprotein complex
  - gene expression 666
  - nucleotide sequences 666
- high mobility group proteins, nucleotide sequences 3964
- histocompatibility antigens
  - gene mapping
    - microsatellites 1426
    - restriction fragment length polymorphism 1426
  - transgenics, T lymphocytes, antigen recognition 4416
- *Histoplasma capsulatum*, resistance, genes 4430
- human immunodeficiency virus
  - gene expression, transgenics, brain, pathology 1695
  - transgenics, immunological deficiency 2809
- hybridization, germ cells, fusion, targeted mutagenesis, embryos 3421
- hydroxymethylglutaryl-CoA reductase, promoters, reporter genes, gene expression, transgenics 3527
- 3β-hydroxysteroid dehydrogenase
  - gene expression 3940
  - nucleotide sequences 3940
- hyperlipoproteinaemia, animal models, transgenics 38
- hypoxanthine phosphoribosyltransferase, targeted mutagenesis, embryonic stem cells 3927
- immunization, *Streptococcus pneumoniae*, transgenics 4411
- immunoglobulins
  - anti-DNA antibodies, transgenics, B lymphocytes, anergy 3878
  - binding proteins
    - gene expression 684
    - nucleotide sequences 684
  - class switching, lymphocyte antigens, transgenics 2806

Mice *cont.*
- immunoglobulins *cont.*
  - DNA replication, initiation 787
  - enhancers
    - transcription, lymphocytes 6340
    - transcription factors 1859
  - gene expression, transgenics, reviews 30, 3872
  - gene transfer, yeast artificial chromosomes, embryonic stem cells, liposomes 3326
  - introns, splicing, gene expression 3508
  - isotype switching, targeted mutagenesis, embryonic stem cells 621
  - matrix associated regions, transcription, lymphocytes 6340
  - mitotic recombination 1868
    - transgenics 2394
  - polymerase chain reaction 2565
  - promoters, DNA binding proteins 4063
  - recombination, DNA methylation 5726
  - somatic mutations 4058
    - gene expression 4064
      - transgenics 588
    - nucleotide sequences, B lymphocytes 3528
    - transgenics 3328
  - targeted mutagenesis
    - disease resistance, viruses, reviews 2860
    - embryonic stem cells 614, 2288
      - gene expression, B lymphocytes 5006
      - immune response 2865, 5007
    - transcription 3520
      - B lymphocytes, differentiation 3519
      - enhancers, DNA methylation, B lymphocytes 4047
- immunological deficiency, targeted mutagenesis, reviews 2821
- immunological diseases
  - interleukins, transgenics 591
  - mutations, antigens, tumour necrosis factor 4149
- imprinting, insulin-like growth factor, molecular genetics 263
- *in vitro* development
  - embryos
    - cytoplasm, volume 4785
    - number 4786
    - potassium 2601
- *in vitro* fertilization
  - culture media 2066
  - plasminogen activator 509
  - spermatozoa, freezing 3756
- inbred strains
  - genetic contamination, DNA fingerprinting 1959
  - restriction fragment length polymorphism, strain differences 3066
- infertility, males, herpes simplex virus, thymidine kinase, transgenics 4967
- inhibin
  - targeted mutagenesis
    - eyelids 3925
    - reproduction 3925
- insertional mutagenesis, gene mapping, DNA hybridization 6165
- insulin
  - genomes, imprinting, gene expression, embryos 6341
  - receptors, nucleotide sequences, adipocytes 4509
  - transcription factors, nucleotide sequences, pancreas 5599
  - transgenics
    - growth, reviews 5513
    - mortality, reviews 5513
- insulin-like growth factor
  - antisense DNA, transcription 5754
  - binding proteins
    - gene mapping 678
    - nucleotide sequences 678
  - DNA methylation 3106
  - genes, imprinting, transgenics 1129
  - promoters, transcription factors 768

Mice *cont.*
- insulin-like growth factor *cont.*
  - receptors
    - antisense DNA, targeted mutagenesis 3539
    - gene expression, kidneys, embryogenesis 3539
    - nucleotide sequences 3539
    - targeted mutagenesis
      - embryonic development 5716
      - growth 5716
  - targeted mutagenesis
    - cell lines, transformation, antigens, viruses 2312
    - embryonic development 5716
      - reviews 2289
    - growth 5716
  - transgenics
    - growth, reviews 5513
    - mortality, reviews 5513
- integrins
  - nucleotide sequences 2887, 2902
  - restriction fragment length polymorphism, neoplasms 2902
- interferon
  - receptors
    - gene expression 4040
    - targeted mutagenesis
      - embryonic stem cells 156
      - gene therapy, myoblasts 4493
      - immune response, viruses 6214
      - macrophages, activation 156
      - major histocompatibility complex, antigens 156
  - regulatory factor
    - targeted mutagenesis
      - embryonic stem cells 2292
      - encephalomyocarditis virus, disease resistance 6212
      - macrophages, nitric oxide 4999
      - viruses, replication 6212
- interleukins
  - gene expression
    - bones, transgenics 2229
    - effects, nervous system, transgenics 3323
  - gene transfer, vectors, vaccinia virus, immune response 4934
  - mutations, nucleotide sequences 789
  - nucleotide sequences 1220, 1934
  - promoters
    - DNA binding proteins 5141
    - targeted mutagenesis, gene expression 5138
  - receptors
    - gene expression 5247
    - gene mapping 897, 5247
    - nucleotide sequences 2324, 2903, 3962
  - targeted mutagenesis
    - embryonic stem cells
      - immunological deficiency 2864
      - intestinal diseases 1743, 1747
    - immune response 4934
      - pathogens 3922
- involucrin
  - gene expression
    - epidermis, transgenics 1132
    - hair follicles, transgenics 1132
  - nucleotide sequences 2891
  - promoters
    - gene expression
      - hair, transgenics 3325
      - skin, transgenics 3325
- isotype switching, B lymphocytes, molecular genetics 614
- keratin
  - gene expression
    - disruption, epidermis, transgenics 597
    - tissue specificity, transgenics 5503
  - promoters, gene expression, transgenics 2386
  - reporter genes, gene expression, embryos, transgenics 4414
  - targeted mutagenesis, embryonic stem cells, embryos, mortality 611
  - transcription, transgenics 3524

Mice *cont.*
- lactalbumin, replacement, targeted mutagenesis, embryonic stem cells 3406
- lactoferrin, transcription, oestrogens, receptors, DNA binding proteins 3521
- β-lactoglobulin, promoters, gene expression, hormonal control, mammary glands 4963
- laminins
  - receptors
    - gene expression 5570
    - nucleotide sequences 5570
- leukocytes, antigens, gene mapping, restriction fragment length polymorphism 916
- linkage, chromosome maps 2523
- lipoprotein lipase, gene expression, lipid metabolism, transgenics 5509
- lipoproteins
  - metabolism, gene expression, transgenics, reviews 5137
  - receptors, targeted mutagenesis, embryonic development 616
- liposomes, plasmids, gene transfer, intravenous injection 4940
- low density lipoprotein
  - receptors
    - gene expression 1772
    - nucleotide sequences 1772
- lymphocyte antigens, class switching, B lymphocytes 2806
- lymphocytes, clonal selection, transgenics, reviews 824
- lymphokines, nucleotide sequences 3442
- macroglobulins, receptors, nucleotide sequences 3965
- macrophages, colony stimulating factor, promoters, gene expression 5169
- macrosialin, nucleotide sequences 184
- major histocompatibility complex
  - evolution, reviews 4055
  - gene expression 1869
    - induction, tumour necrosis factor 796
    - lungs, transgenics 33
    - promoters, interferon 5189
    - thyroid gland, abnormalities, transgenics 1692
    - transgenics 2814
  - gene mapping, restriction fragment length polymorphism 3057
  - gene transfer, transgenics 2238
  - meiosis, recombination 4059
  - mutations, nucleotide sequences 1218
  - nucleotide sequences 3976
    - strain differences 1790
  - recombination, nucleotide sequences 1784
  - restriction fragment length polymorphism 3078
  - satellite DNA, polymorphism 2529
  - T lymphocytes, receptors, diabetes, gene expression, transgenics 42
  - targeted mutagenesis, reviews 5550
  - transgenics
    - immune response 4415
    - reviews 5550
- mannose-6-phosphate, receptors, targeted mutagenesis, embryonic stem cells, lysosomes, proteins 5549
- α-mannosidase
  - gene expression 5047, 5056
  - nucleotide sequences 5047, 5056
- marker genes, gene mapping 907
- membrane proteins, nucleotide sequences, cell lines, proliferation 2330
- meprin
  - gene expression 5575
  - gene mapping, restriction fragment length polymorphism 5575
  - nucleotide sequences 5575
- meprin-A
  - gene expression, strain differences 364
  - gene mapping 364
- metalloproteinases
  - gene expression 5144
    - embryos 6231
    - proto-oncogenes, transgenics 5144

Mice *cont.*
- metalloproteinases *cont.*
  - nucleotide sequences 6231
- metallothionein
  - gene expression, regulation, transgenics 5751
  - promoters, transcription, activation 3008
  - targeted mutagenesis, embryonic stem cells 158
- methylated-DNA-protein-cysteine *S*-methyltransferase, gene expression, carcinoma, liver, carcinogens, exposure, transgenics 40
- methylmalonyl-CoA mutase
  - gene expression 5083
  - nucleotide sequences 5083
- microglobulins
  - precursors
    - gene mapping, restriction fragment length polymorphism 4502
    - nucleotide sequences 4502
- microphthalmia
  - insertional mutagenesis, transcription factors, gene expression, transgenics 34
  - nucleotide sequences 34
  - transgenics 5496
- microsatellites
  - body weight 884
  - gene mapping 1952
  - identification, techniques 6581
  - litter size 884
  - strains, identification 6459
- microtubules
  - proteins
    - gene expression 835
    - nucleotide sequences 835
- mitochondria, proteins, gene expression, targeted mutagenesis, adipocytes, cell lines 1855
- mitochondrial DNA, mutations, nucleotide sequences 3443
- mitochondrial uncoupling protein, transcription, transgenics 243
- monophenol monooxygenase, mutations, pigmentation, nucleotide sequences 4971
- mouse mammary tumour virus
  - gene expression, transgenics 5500
  - gene transfer, T lymphocytes, clonal deletion 5500
  - transmission, T lymphocytes, receptors, transgenics 586
- multiple intestinal neoplasia, restriction fragment length polymorphism, polymerase chain reaction 889
- muscles, cells, transcription factors, targeted mutagenesis, reviews 5000
- mutagenesis, behaviour, reviews 6346
- mutations
  - autoimmunity 2995
  - frequency, reporter genes, techniques, transgenics 3664
  - spasmodic, gene mapping 5858
- myelin basic protein
  - gene expression, embryos 3522
  - nucleotide sequences, embryos 3522
  - promoters, embryos 3522
  - transcription factors, gene expression, central nervous system 5731
- myeloperoxidase, promoters, protein binding elements 5760
- myogenesis, transcription factors, targeted mutagenesis, embryonic stem cells, reviews 5004
- myogenin
  - gene expression, transgenics 598
  - promoters
    - gene expression
      - muscles, denervation, transgenics 5139
      - transgenics, embryos 2988
  - targeted mutagenesis, embryonic stem cells, muscles 2811, 2863
- myosins
  - DNA binding proteins
    - gene expression 1865
    - nucleotide sequences 1865
  - enhancers, gene expression 2999

Mice *cont.*
- myosins *cont.*
  - gene expression, enhancers, binding proteins, transgenics 579
  - promoters, muscles, transgenics 3332
  - transcription
    - activation
      - retinoids, receptors 2999
      - thyroid hormones 2999
- natural killer cells, tumour recognition protein, RNA, alternative splicing, interleukins 817
- neoplasms
  - intestines
    - gene mapping 1937
      - microsatellites 366
      - restriction fragment length polymorphism 366
  - susceptibility, gene mapping, restriction fragment length polymorphism, satellite DNA 2526
- neural cell adhesion molecule, targeted mutagenesis, brain 2859
- neurofibromatosis
  - gene expression 5044
  - nucleotide sequences 5044
  - RNA, alternative splicing 5044
- neurofilaments
  - promoters
    - gene expression
      - brain, transgenics 3336
      - eye lens, transgenics 3336
      - muscles, transgenics 3336
  - proteins
    - gene expression
      - central nervous system, transgenics 5492
      - nervous system diseases, transgenics 1690, 2242
- neurotrophin
  - mutations, nervous system, abnormalities 6207
  - targeted mutagenesis, embryonic stem cells 6207
- nopaline synthase, transcription factors, macrophages 4999
- nuclei, transfer, blastomere, embryo transfer, pregnancy rate 3688
- obesity
  - gene mapping
    - microsatellites 1390
    - restriction fragment length polymorphism 1390
- oestrogen receptors, mutagenesis, gene expression 772
- oestrogens
  - receptors
    - gene expression, embryonic development 1852
    - targeted mutagenesis
      - embryonic stem cells
        - fertility 2290
        - genitalia, development 2290
- oncogenes
  - binding proteins, transcription 795
  - gene expression
    - coat, abnormalities, transgenics 589
    - growth, cell lines, transgenics 3420
    - mammary hyperplasia, transgenics 6167
    - pancreas 6347
    - skin, abnormalities, transgenics 589
    - tissue repair, cell lines, transgenics 3420
    - transformation, cell lines, transgenics 3420
  - gene transfer
    - kidney diseases 2236
    - neoplasms 2221
  - promoters, surfactant protein, transgenics, cell lines 2313
  - protein-tyrosine kinase, neoplasms, mammary glands, transgenics 3329
  - targeted mutagenesis, embryonic development 152

Mice *cont.*
- oncogenes *cont.*
  - transgenics, animal models, reviews 5512
- oocytes
  - activation, G proteins, receptors, acetylcholine 3236
  - culture media, calcium, spermatozoa, injection, *in vitro* fertilization 6668
  - cumulus oophorus
    - expansion, *in vitro* fertilization 1579
    - *in vitro*
      - FSH 5410
      - LH 5410
      - thyrotropin 5410
  - freezing
    - embryonic development, *in vitro* 6050
    - *in vitro* fertilization 1516, 4867, 6050
    - *in vitro* maturation 1516
    - survival 6050
  - fusion, embryonic stem cells, embryos, *in vitro* development 512
  - *in vitro* maturation, hypoxanthine 1043
  - spermatozoa, injection, *in vitro* fertilization 4306, 6668
  - vitrification, viability, cryoprotectants, ethylene glycol 2061
- oogenesis, gene expression, reviews 1854
- opioid peptides
  - receptors
    - gene expression 197
      - brain 1846
    - gene mapping, restriction fragment length polymorphism 1846
    - nucleotide sequences 197
      - brain 1846
- opioids, binding proteins, gene mapping 882
- ornithine decarboxylase
  - gene expression, transgenics 35, 585
  - restriction fragment length polymorphism, body composition, lean, selection 1943
- osteocalcin, promoters, gene expression, vitamin D, transgenics 36
- osteopontin, nucleotide sequences 636
- ova
  - androgenesis 1046
  - nucleotide sequences 683
- ovalbumin, promoters, transcription factors, gene expression, embryos 5176
- ovaries
  - activity
    - cryopreservation 6595
    - transplantation 6595
  - granulosa cells
    - cell lines
      - cytokines, secretion 5381
      - growth factors, secretion 5381
      - hormones, secretion 5381
- oxytocin, gene mapping, restriction fragment length polymorphism 367
- papillomavirus, gene transfer, neoplasms 2219
- parathyrin
  - receptors
    - nucleotide sequences 5062
    - transcription 5062
- peroxisomes
  - proliferators
    - receptors
      - gene expression 2344
      - nucleotide sequences 2344
  - receptors, gene mapping, restriction fragment length polymorphism 6497
- phagocyte oxidase
  - gene expression 3953
  - gene mapping, restriction fragment length polymorphism 3953
  - nucleotide sequences 3953
- pharmaceutical proteins
  - milk, transgenics, reviews 4966

Mice *cont.*
- pharmaceutical proteins *cont.*
  - transgenics, reviews 6162
- phosphoric monoester hydrolases, haematopoiesis, nucleotide sequences, mutations 3538
- phosphorylase kinase
  - deficiency, mutations, nucleotide sequences 4519
  - gene mapping, restriction fragment length polymorphism 360
- phosphorylcholine, antibodies, gene transfer 4411
- pituitary, transcription factors, restriction fragment length polymorphism 1962
- placenta, proteins, gene mapping, restriction fragment length polymorphism 899
- plasma membranes, proteins, nucleotide sequences 1214
- plasmids, gene transfer, testes, injection 6132
- plasminogen activator
  - antisense DNA
    - gene expression, oocytes, maternal effects 4413
    - gene transfer, oocytes, maternal effects 4413
  - targeted mutagenesis
    - body weight 3920
    - fertility 3920
    - fibrin 3920
- potassium
  - channels
    - gene expression 2883
      - brain 3612
    - gene mapping, restriction fragment length polymorphism 3058, 3612
    - nucleotide sequences 2883, 5025, 5082
    - RNA, alternative splicing 2883
- pregnancy rate
  - embryo transfer
    - embryos, freezing 1512
    - oocytes, freezing 6050
  - embryos
    - cooling 2047
    - splitting 2047
  - gametes, freezing 3686
- primordial germ cells, embryos, cell culture, c-AMP 1517
- prion protein
  - gene expression, transgenics 2832
  - scrapie, infection, transgenics 5493
  - transgenics, scrapie 3873
- prions
  - gene expression, scrapie, transgenics 593
  - targeted mutagenesis, reviews 4974
- probasin, promoters, reporter genes, gene expression, prostate, transgenics 4407
- progesterone, receptors, gene expression, embryonic development 1852
- promoters
  - bone morphogenetic protein, nucleotide sequences 2906
  - simian virus 40, gene expression, adipocytes 831
- proprotein convertases, nucleotide sequences 189
- prostacyclin
  - receptors
    - gene expression 5067
    - nucleotide sequences 5067
- proteasomes, nucleotide sequences 1236
- protein kinase
  - calcium dependent, gene mapping, cell fusion 4133
  - calmodulin dependent, gene mapping, cell fusion 4133
  - gene mapping, restriction fragment length polymorphism 6486
  - inhibitors
    - gene expression 821
    - nucleotide sequences 821
  - nucleotide sequences 5077
    - embryonic stem cells 642
  - transcription, cell lines 5715

Mice *cont.*
protein synthesis, initiation factors, gene mapping, DNA probes 908
protein-tyrosine kinase
gene expression
brain 5030
T lymphocytes 5030
haematopoiesis, targeted mutagenesis, embryonic stem cells 3923
immune response, targeted mutagenesis, embryonic stem cells 3923
nucleotide sequences 5030
receptors
ligands, nucleotide sequences 5043
nucleotide sequences 5059
targeted mutagenesis
embryonic stem cells 617, 620
suckling, behaviour 3409
protein-tyrosine-phosphatase
chromosome mapping 5867
gene expression, brain, embryos 6239
mutations, nucleotide sequences 5867
nucleotide sequences 6239
targeted mutagenesis, embryonic stem cells, lymphocytes, development 157
proteinase inhibitors, transcription, liver 5756
proteinases, nucleotide sequences 1779
proteins
cerebellum, gene expression 5078
gene expression, vesicular gland 5087
nucleotide sequences, vesicular gland 5087
phosphotyrosine, nucleotide sequences, adipocytes 4509
ribosomes, nucleotide sequences 703
sex chromosomes
meiosis
spermatogenesis
gene expression 3506
nucleotide sequences 3506
stress, nucleotide sequences 5596
transcription
induction
gene expression 5090
nucleotide sequences 5090
proteoglycans, nucleotide sequences 669
proto-oncogenes
disruption
fibroblasts, mitosis, cell culture 154
mortality, embryos 154
enhancers, transcription factors 3529
erythrocytes, transgenics 5742
gene expression
brain, cells, death, transgenics 45
cell lines 2425
embryos 4592
endogenous viruses, integration, neoplasms 6474
mammary glands 766
skeletal development, abnormalities, transgenics 599
transgenics, mutations, kidney diseases 6166
gene mapping, restriction fragment length polymorphism 6474
gene transfer, yeast artificial chromosomes, cell lines 5478
mutations
bone marrow disorders 1746
osteopetrosis 1746
nucleotide sequences, cell lines 2425
polymerase chain reaction, dimethyl sulfoxide 2570
promoters
DNA binding proteins 5180
DNA, structure 5170
nucleotide sequences 1792
transcription factors 3529
receptors, ligands, nucleotide sequences 6236
regulation
disruption
embryo mortality 617, 620
embryonic development 617, 620

Mice *cont.*
proto-oncogenes *cont.*
restriction fragment length polymorphism, disease resistance, neoplasms 1955
targeted mutagenesis 1195
B lymphocytes 1746
embryonic development, abnormalities 1195
embryonic stem cells 154
diseases 1751
embryonic development 2870
liver 3401
erythrocytes, transgenics 5742
haematopoiesis 1746
kidney diseases 5001
parthenogenesis 6206, 6209
T lymphocytes 5001
thymus gland 1746
transcription
c-AMP, Sertoli cells, cell cultures 819
FSH, Sertoli cells, cell cultures 819
transcription factors
gene expression
cell lines 3534
testes 3534
transgenics, animal models, reviews 5512
tyrosine kinase, receptors, mast cells, reviews 2393
protozoal infections, immune response, targeted mutagenesis, reviews 6211
pseudogenes
DNA topoisomerase, gene mapping 3582
nucleotide sequences 1209
Pseudomonas aeruginosa, disease resistance, recombinant vaccines, major histocompatibility complex 1188
purine-nucleoside phosphorylase, nucleotide sequences 1775
quinone reductase, nucleotide sequences 3943
rats, nuclei, transfer, interspecific, embryos, development 6611
receptors, adrenergic, nucleotide sequences 2888
recombinant vaccines
rabies virus 143
Streptococcus pneumoniae, gene transfer 4411
Trichinella spiralis, immunization 4979
recombination, immunoglobulins, isotype switching 4591
recoverin, gene mapping, restriction fragment length polymorphism 905
renin
gene expression, blood pressure, transgenics 583
promoters
gene expression, transgenics 3338
reporter genes
transcription
c-AMP, cell lines 4595
proto-oncogenes, cell lines 4595
repetitive DNA
blastocyst 1317
gene mapping, restriction fragment length polymorphism 876
marker genes, isolation techniques 876
nucleotide sequences 876
oocytes 1317
proteins, gene expression, testes 4031
restriction fragment length polymorphism, species differences 3046
Y chromosome
nucleotide sequences 5598
restriction fragment length polymorphism, species differences 5598
reporter genes
gene expression, transgenics 3332
gene transfer
Adenoviridae, liver cells, gene expression 2766
liposomes, lymphocytes 5476

Mice *cont.*
reporter genes *cont.*
gene transfer *cont.*
muscles, diaphragm 1663
plasmids, gene expression, muscles 2767
transgenics, embryos 2234
injection
granulosa cells, gene expression 762
oocytes, gene expression 762
liposomes, gene transfer, lungs 2757
spleen necrosis virus, long terminal repeats, gene expression, transgenics 6131
reproduction, inhibition, targeted mutagenesis 2866
retina, photoreceptors, ablation, transgenics 3408
retinoic acid
DNA binding proteins, enhancers, gene expression 3530
receptors
gene mapping 2535
targeted mutagenesis, embryonic stem cells 618
retinoids
receptors
gene expression 1309
nucleotide sequences 1309
retroviral vectors
gene expression
cell lines 3307
induction, steroid hormones, cell lines 5470
Retroviridae
DNA, integration, body weight, heritability 3305
transcription, B lymphocytes, differentiation 3519
transgenics, animal models, reviews 5512
vectors, gene therapy, bone marrow cells 5479
ribonucleoproteins, genes, imprinting, gene mapping, restriction fragment length polymorphism 4676
ribonucleoside-diphosphate reductase
gene expression, DNA binding proteins 2318
nucleotide sequences 2318
ribosomal DNA, gene mapping 4137
ribosomes
DNA probes 2900
gene expression 3009
nucleotide sequences 2900, 3009
proteins
gene mapping, sex chromosomes 3990
nucleotide sequences 3990, 5612
promoters, gene expression 771
RNA, alternative splicing 3009
RNA
binding proteins
gene expression, genes, agouti 805
nucleotide sequences, genes, agouti 805
cleavage, ribozymes 1305
RNA helicase, nucleotide sequences 2328
ryanodine
receptors
targeted mutagenesis
embryonic stem cells 6215
muscles, abnormalities 6215
satellite DNA
gene mapping 890
chromosomes 3051
genetic polymorphism, gene mapping 3607, 3619
selectins
binding proteins
gene expression, mammary glands 5172
nucleotide sequences 5172
targeted mutagenesis, embryonic stem cells, leukocytes 619
seminal vesicles, proteins, nucleotide sequences 717

Mice *cont.*
- serotonin
  - receptors
    - gene expression 2909
    - gene mapping, DNA hybridization 2909
    - nucleotide sequences 2909
- sex control, H-Y antigen 4806
- sex determination
  - molecular genetics, reviews 1850
  - promoters, nucleotide sequences 4515
- sex diagnosis
  - embryos
    - chromosomes 4783
    - H-Y antigen 976, 4224
- sialoproteins
  - gene expression, bones 4696
  - gene mapping, restriction fragment length polymorphism 4696
  - nucleotide sequences, bones 4696
- sialyltransferases
  - gene expression 5057
  - nucleotide sequences 5057
- skeleton, mutations, tail kinks, gene mapping, microsatellites 1949
- small nuclear RNA, nucleotide sequences 638
- sodium, channels, gene mapping, restriction fragment length polymorphism 4692
- sodium-hydrogen exchanger, gene mapping, restriction fragment length polymorphism 369
- somatic mutations, immunoglobulins, transgenics 595
- somatoliberin
  - receptors
    - gene mapping 4127
      - molecular genetics 1936
    - mutations
      - anterior pituitary 5163
      - dwarfism 4127
- somatotropin
  - choriomammotropin, pituitary, transgenics 6705
  - gene expression
    - body weight, transgenics 3780
    - hormones, effects, transgenics 3780
    - metallothionein, promoters, transgenics 3780
    - pituitary, cells, effects, transgenics 3780
  - gene transfer
    - gene expression, mammary glands 1137
    - microcapsules, gene expression 2759
  - production, fibroblasts, transplantation, transgenics 3308
  - prolactin, pituitary, transgenics 6705
  - transcription, transgenics 592
  - transcription factors, gene expression, transgenics 2230
  - transfection, fibroblasts, encapsulation, gene therapy 3308
  - transgenics
    - FSH, *in vitro* release 4973
    - LH, *in vitro* release 4973
- spermatogenesis
  - gene mapping 3070
  - protein kinase
    - gene expression, testes 5192
    - nucleotide sequences, testes 5192
- spermatozoa
  - abnormalities, herpes simplex virus, thymidine kinase, transgenics 4967
  - acrosome reaction
    - epidermal growth factor 4856
    - ova, zona pellucida 4856
  - capacitation, calcium 5412
- spermidine synthase, gene expression, transgenics 35
- spleen necrosis virus, gene transfer, embryos, *in vitro* culture 6131
- sterility, gene mapping, restriction fragment length polymorphism 3070
- steroid 21-monooxygenase, promoters, gene expression 5752

Mice *cont.*
- steroidogenesis
  - targeted mutagenesis
    - cell lines 3924
    - transgenics 3924
- strains, genetic distance, restriction fragment length polymorphism 1418
- stress
  - proteins
    - macrophages
      - gene expression 5734
      - nucleotide sequences 5734
- sucrase-isomaltase, gene mapping, restriction fragment length polymorphism 1391
- superovulation
  - FSH
    - embryos
      - *in vitro* development 5425
      - recovery 5425
  - PMSG
    - embryos
      - *in vitro* development 5425
      - recovery 5425
- superoxide dismutase
  - gene expression
    - mammary glands, transgenics 4408
    - transgenics 2812
  - nucleotide sequences 1934
- surfactants
  - gene expression, lungs, transgenics 2421
  - lungs, receptors, gene expression 5611
- synapsins, gene expression, photoreceptors, transgenics 6160
- syndecan
  - nucleotide sequences 5763
  - transcription 5763
- T lymphocytes
  - clonal selection
    - endogenous viruses, reviews 824
    - major histocompatibility complex reviews 824
      - transgenics 2399
  - development, antigens, targeted mutagenesis 3404
  - maturation, receptors, targeted mutagenesis 2868
  - receptors
    - allelic exclusion, transgenics, protein-tyrosine kinase 3321
    - enhancers
      - gene expression 4587
      - recombination
        - cell cycle 5721
        - tissue specificity 5721
    - lymphocytic choriomeningitis virus, glycoproteins, gene transfer, diabetes 4965
    - mitotic recombination
      - diabetes, polymerase chain reaction 1303
      - nucleotide sequences 3432
      - thyroid gland 1858
    - nucleotide sequences 3956, 3963, 3978, 3981
    - promoters, transcription 5722
    - silencers, transcription 5722
    - targeted mutagenesis 2866
      - embryonic stem cells, intestinal diseases 1745
    - transcription 3520
    - transgenics 2294, 4409
  - selection, major histocompatibility complex, gene expression, transgenics 1128
- targeted mutagenesis
  - behaviour, reviews 6346
  - embryonic stem cells
    - books 2203, 2247, 2291, 2295, 2604, 2606, 2741
    - chimaeras, breeding, techniques 2606
    - intestinal diseases 1750
    - mutations, diseases 1749
    - reviews 2858
    - selection, homologous recombinants 3410

Mice *cont.*
- targeted mutagenesis *cont.*
  - enhancement, metabolism, research, reviews 2862
  - integrins, inflammation 1752
  - interferon, schistosomiasis 4492
  - vectors
    - embryonic stem cells 5548
    - gene transfer, embryonic stem cells 159
- tetanus, toxins, gene expression, spermatogenesis, transgenics 582
- thiosulfate sulfurtransferase, gene mapping 4679
- thrombomodulin
  - gene expression, promoters 3971
  - nucleotide sequences, promoters 3971
  - promoters, endogenous viruses, insertion, strain differences 657
- thrombopoietin, nucleotide sequences 6236
- thromboxane-A synthase
  - gene expression 4598
  - nucleotide sequences 4598
- thymidylate synthase
  - gene expression
    - cell lines 1845
    - introns 5156
  - introns, nucleotide sequences 5156
- thyroid hormones
  - receptors
    - promoters, response elements 5151
    - targeted mutagenesis 2871
- thyrotroph embryonic factor, gene mapping, microsatellites 1953
- thyrotropin, receptors, nucleotide sequences, mutations, hypothyroidism 4494
- thyrotropin releasing hormone, receptors, gene mapping, microsatellites 1953
- toxins
  - diphtheria
    - gene expression
      - adipocytes
        - obesity, transgenics 44
        - reproduction, transgenics 44
      - macrophages, eyes, cells 587
  - gene transfer, brown fat 3333
- transcription
  - inhibition, DNA binding proteins, cell lines 5168
  - lymphocytes, DNA binding proteins 839
  - regulation, transgenics 2807
- transcription factors
  - DNA probes 3520
  - enhancers, gene expression, cell lines 2410
  - gene expression 186, 814, 3002, 3006
    - embryos 253
    - skin, embryos 758
    - spermatogenesis 830
    - transgenics, brain 2816
  - gene mapping 3052, 4150
    - restriction fragment length polymorphism 368
    - sex linkage 6464
  - genes, zinc finger, nucleotide sequences 5566
  - metallothionein, nucleotide sequences 3008
  - nervous system, promoters, gene expression, embryos 4586
  - nucleotide sequences 186, 704, 814, 3002, 3006, 5042
    - muscles 2332
  - promoters, embryos 4060
  - repression, gene expression, central nervous system, embryos 4043
  - RNA, alternative splicing 3002, 5042
  - T lymphocytes, nucleotide sequences 682
  - targeted mutagenesis
    - B lymphocytes 613
    - embryonic stem cells 1194
    - gene expression 1194
    - nervous system diseases 1194
  - testes, nucleotide sequences 830
  - thymus, nucleotide sequences 1769

Mice *cont.*
transcription factors *cont.*
transcription, regulation 816
transferrin
promoters
DNA binding proteins, transcription, liver, transgenics 5190
gene expression
brain, transgenics 4050
liver, transgenics 4050
transforming growth factor
gene expression
adipose tissue, development, transgenics 3334
body fat, transgenics 3334
body weight, transgenics 3334
major histocompatibility complex 3513
muscle weight, transgenics 3334
gene mapping, restriction fragment length polymorphism 5257
nucleotide sequences 5257
targeted mutagenesis
embryonic stem cells, immunological diseases, reviews 3403
major histocompatibility complex 3513
maternal effects 6213
transgenics
antisense RNA, hepatitis virus, gene transfer, disease resistance 3353
identification, techniques, polymerase chain reaction 2557
transposable elements, transcription, inhibition, antigens, Fas 2995
trophoblast, *in vitro* development, laminins 5372
tropomyosins
gene expression
embryonic stem cells 2409
embryos 2409
tumour necrosis factor
gene mapping, restriction fragment length polymorphism 4149
inhibitor, gene transfer, Adenoviridae, vectors 2209
mutations, nucleotide sequences 789
nucleotide sequences, restriction fragment length polymorphism 5568
receptors, targeted mutagenesis, *Listeria monocytogenes,* susceptibility 2869
tyrosine kinase
receptors
binding proteins
gene expression
ovaries 1311
testes 1311
mutations
gene expression
ovaries 1306
Sertoli cells, germ cells, binding 1312
testes 1306
gene expression 255
embryos 1863
gene mapping, restriction fragment length polymorphism 1863
haematopoiesis
gene expression 5050
nucleotide sequences 5050
ligands, nucleotide sequences 2330
nucleotide sequences 1863
ubiquitin-like protein, nucleotide sequences 5055
UDP-*N*-acetylglucosamine-dolichyl-phosphate *N*-acetylglucosaminephosphotransferase, promoters, nucleotide sequences 5177
uncoupling protein, promoters, gene expression, brown fat 3333
uroplakin, gene mapping, restriction fragment length polymorphism 3616
utrophin
gene mapping, restriction fragment length polymorphism 1770
nucleotide sequences 1770
Mice *cont.*
varicella-zoster virus, thymidine kinase, gene expression, liver, transgenics 1133
vasopressin, gene expression, transgenics 2225
viruses, enhancers, gene expression, thymus 2343
X chromosome
fragility
nucleotide sequences 3936
RNA, alternative splicing 3936
inactivation
gene mapping, microsatellites 1419
histones, acetylation 363
reporter genes, transgenics 3005
Y chromosome, deletions, sex determination, restriction fragment length polymorphism 4664
yeast artificial chromosomes
DNA replication, cell lines 5559
gene transfer, gene expression, reviews 32
Microcapsules, somatotropin, gene transfer, gene expression, mice 2759
Microcosms
Cellulomonas, survival 2727
isopropylbenzene, aerobic treatment, soil 2718
Microglobulins
nucleotide sequences
cattle 1766
fishes 653, 688
horses 1767
pigs 1223
precursors
gene mapping, restriction fragment length polymorphism, mice 4502
nucleotide sequences, mice 4502
Microinjection
haemoglobin, genes, transgenics, pigs 3337
reporter genes, gene transfer, embryos, fowls 2232
Micromanipulation
embryos, lasers, techniques, reviews 5346
gametes, lasers, techniques, reviews 5346
Microorganisms
alkanes, biodegradation, lipids, content 5441
DNA fingerprinting, polymerase chain reaction 1144
ethics 1628
genetic engineering 1628
biosafety 2193
release 2193
hexoses
utilization
organic acids, production, reviews 5440
solvents, production, reviews 5440
lignocellulosic wastes, biodegradation, reviews 5443
pentoses
utilization
organic acids, production, reviews 5440
solvents, production, reviews 5440
release 1628
survival, environment 2727
sulfur, removal, coal, bioreactors, coal mine spoil 6084
Microphthalmia
insertional mutagenesis, transcription factors, gene expression, transgenics, mice 34
nucleotide sequences
mice 34
transgenics, mice 5496
Micropropagation
Dendrobium moniliforme 3723
DNA fingerprinting, *Rubus idaeus* 386
tissue culture
Allium ascalonicum 4274
Allium sativum 4274
Cucumis sativus 3216
Micropropagation *cont.*
tissue culture *cont.*
Doritaenopsis 3217
Fraxinus angustifolia 6641
Gardenia jasminoides 3181
ornamental plants 6718
Phalaenopsis 3217
plants 3742
Prunus armeniaca 1012
Verbena tenera 5389
Microsatellites
antigens, histocompatibility, gene mapping, mice 4144
body weight, mice 884
breed differences, cattle 6485
chromosome maps, polymerase chain reaction, pigs 6504
detection, techniques, polymerase chain reaction, dogs 2030
DNA, polymorphism, fishes, France 6490
DNA libraries, construction, techniques 943
gene mapping
cattle 911
dipeptidyl-peptidase IV, pigs 1963
disease resistance, diabetes, mice 1934
DNA binding proteins, electrophoresis, mice 1933
DNA hybridization
cattle 4684
pigs 6462
fishes 4143
mice 1952
rats 1952
sheep 4684
skeleton, mutations, tail kinks, mice 1949
thyrotroph embryonic factor, mice 1953
thyrotropin releasing hormone, receptors, mice 1953
genes, callipyge, gene mapping, sheep 5248
histocompatibility antigens, gene mapping, mice 1426
horns, development, gene mapping, linkage, cattle 3591
identification, techniques, mice 6581
isolation, cosmids, polymerase chain reaction, techniques 6580
litter size, mice 884
marker genes
cattle 6115
pigs 6115
neoplasms, intestines, gene mapping, mice 366
obesity, gene mapping, mice 1390
polymerase chain reaction, species differences, evolution, vertebrates 5330
polymorphism
polymerase chain reaction
electrophoresis, staining, silver 5323
products, fluorescence, labelling 5323
strains, identification, mice 6459
tumour necrosis factor, pigs 5861
X chromosome, inactivation, gene mapping, mice 1419
Microtubules
cell culture, *Daucus carota* 6660
proteins
gene expression, mice 835
nucleotide sequences, mice 835
Migration inhibitory factor
macrophages
gene expression, arthritis, rats 4581
nucleotide sequences, rats 4581
Milk
adulteration
ELISA
detection
reviews 4769
sheep, goat milk 4225
albumins, secretion, prediction, mammary glands, transgenics, mice 4962
antibiotic residues, detection, ELISA 4226
Bacillus cereus, detection, ELISA 3140
dieldrin, detection, ELISA, cattle 4227

Milk *cont.*
DNA, polymerase chain reaction, cattle 1778
ELISA
detection
antibiotics 4768
bovine leukosis 1475
streptomycin 4768
Mycoplasma bovis 1483
pesticide residues 428
gene transfer
proteins
mammary glands
laboratory mammals, reviews 4964
livestock, reviews 4964
goats, ELISA, detection, adulteration, sheep, milk 4766
labelling, somatotropin, legislation, USA 6106-6107
lactoferrin, transgenics, cattle 3814
Listeria monocytogenes, detection, polymerase chain reaction 3150
lysozyme, transgenics, cattle 3814
pharmaceutical proteins
gene expression, transgenics, livestock, reviews 4968
transgenics
livestock, reviews 2813, 4966
mice, reviews 4966
somatotropin
European Communities 4890
lactation, mammary glands, transgenics, goats 6158
USA 4890
Milk composition
somatotropin
cattle 5434
fatty acids, cattle 4338
mastitis, cattle 4341
Milk products, DNA probes, detection, bacteria 2579
Milk proteins
biochemical polymorphism, goats, reviews 3969
gene expression
cattle, reviews 1222
laboratory mammals, reviews 4038
livestock, reviews 4038
transgenics, reviews 1222
gene mapping, cattle, reviews 1222
genes, dairy performance, linkage, cattle 6455
genetic engineering, transgenics, livestock, reviews 4975
molecular biology, cattle, reviews 1222
molecular genetics, reviews 5746
nucleotide sequences, reviews 3969
promoters, gene expression, transgenics, rats 5504
restriction fragment length polymorphism, cattle 3584
targeted mutagenesis, cattle 3921
Milk yield
breeding programmes, nucleus scheme, embryo transfer, MOET, cattle 3166
mitochondrial DNA
nucleotide sequences, cattle 3452
restriction fragment length polymorphism, cattle 1416
restriction fragment length polymorphism, somatotropin, cattle 1954
somatotropin
cattle 3255, 4891, 5434
mastitis, cattle 4341
recombinant, restriction fragment length polymorphism, gene expression, cattle 2509
Mimulus guttatus
nucleotide sequences
ribosomal DNA 2961
taxonomy 2961
Minerals, *in vitro* culture, plants 4299
Minisatellites
cloning, *Lycopersicon esculentum* 1429
genetic polymorphism, fishes 639
mammals 2534
marker genes, dogs 2525
nucleotide sequences, fishes 639
paternity, dogs 2525

Minisatellites *cont.*
restriction fragment length polymorphism, *Lycopersicon esculentum* 1429
Mink, immunoglobulins, nucleotide sequences 685
Miscanthus
chloroplast genetics, evolution 4189
restriction fragment length polymorphism, evolution 4189
Miscanthus sinensis, tissue culture 2643
Miscanthus streak monogeminivirus, genetic transformation, *Oryza sativa* 4991
Mitochondria
aconitate hydratase, gene mapping, cells, fusion, cattle 6492
adenosinetriphosphatase, nucleotide sequences, rats 4507
elongation factors, nucleotide sequences, rats 1763
gene expression
Nicotiana sylvestris 4618
Nicotiana tabacum 4618
Nicotiana tomentosiformis 4618
Triticum aestivum 1893
gene mapping, *Triticum aestivum* 2015
isocitrate dehydrogenase, nucleotide sequences, cattle 670
phosphate
binding proteins
gene expression, cattle 5035
nucleotide sequences, cattle 5035
RNA, alternative splicing, cattle 5035
proteins, gene expression, targeted mutagenesis, adipocytes, cell lines, mice 1855
transfer RNA, nucleotide sequences, cattle 2924
tricarboxylate transport protein, nucleotide sequences, rats 5588
Mitochondrial DNA (*see also* DNA)
amplification, polymerase chain reaction, insects 1461
binding proteins, nucleotide sequences, rats 713
isolation techniques, Nematoda 3122
milk yield, restriction fragment length polymorphism, cattle 1416
mutations, nucleotide sequences, mice 3443
nucleotide sequences
abundance, animals 5027
Anopheles gambiae 1201
fishes 3436, 4503
milk yield, cattle 3452
reproduction, cattle 3452
peptidases, nucleotide sequences, liver, rats 3447
populations
fishes 5871
restriction fragment length polymorphism, mollusca 1392
restriction fragment length polymorphism
cattle 3618
dogs 5869
fishes 910, 2495, 2507, 4131, 4672
goats 5249
sheep 361, 5249
species differences
fowls 4148
subspecies, fishes 6499
strain differences, fishes 4128
restriction mapping, sheep 361
slippage replication, mutations, pigs 257
transcription, termination, bacteria, rats 3535
Mitochondrial genetics
acyl carrier protein, *Arabidopsis thaliana* 6308
adenosinetriphosphatase
Beta vulgaris 221
Brassica napus 1076
Glycine max 1244
Oryza sativa 385
Zea mays 857, 5953
anthers, *Helianthus annuus* 5844
apocytochrome *b* 746
Arabidopsis thaliana 724
Solanum 872

Mitochondrial genetics *cont.*
apocytochrome *b cont.*
Triticum 872
cadmium, *Zea mays* 5218
cytochrome-*c* oxidase
plants 5912
Zea mays 384, 1385, 5953
cytoplasm, *Zea mays* 4014
cytoplasmic inheritance
triticale 5817
Triticum 5817
cytoplasmic male sterility
adenosinetriphosphatase, *Oryza sativa* 4090
Allium porrum 6123
Allium schoenoprasum 3775
Beta maritima 6075
Beta vulgaris 221, 2547, 4646, 6075
Brassica juncea 5217
Brassica napus 1076, 2680, 3251, 6072
Brassica oxyrrhina 5217
Helianthus annuus 3252, 5844, 6077-6078, 6698
Helianthus petiolaris 6078
Nicotiana 6700
Oryza sativa 385, 2927
Pennisetum glaucum 6703-6704
Petunia 534
Petunia hybrida 1247, 3546, 6298
Petunia parodii 3546
Phaseolus coccineus 6701
Phaseolus vulgaris 2159, 3250, 6073, 6701
plants 3253
reviews 6071
Raphanus sativus 213, 5432
Sorghum 5916
Triticum aestivum 5817
Triticum timopheevii 5817
Zea mays 857, 2160, 3026, 5535
DNA polymerase, *Secale cereale* 2938
evolution, plants 5912
formate dehydrogenase, *Solanum tuberosum* 1246
gene mapping
Arabidopsis thaliana 5851
Oryza sativa 1442
Phaseolus vulgaris 2159
genetic relationships, *Pyricularia oryzae* 1162
Glycine latifolia 6528
interspecific hybridization
Triticum aestivum 5817
Triticum timopheevii 5817
introns
Brassica campestris 4613
Lactuca sativa 4613
leaves, *Hordeum vulgare* 5773
Lycopersicon esculentum 29
Lycopersicon peruvianum 29
maturase, *Zea mays* 5705
meiosis, *Helianthus annuus* 5844
membrane proteins, *Zea mays* 1372
membranes, *Zea mays* 3026, 5535
mycotoxins, *Zea mays* 5535
NADH dehydrogenase
Brassica campestris 736, 4613
Lactuca sativa 4613
Oenothera 4622
plants 5815, 5912
Triticum aestivum 5774
Zea mays 5705
NADH dehydrogenase (ubiquinone)
Beta vulgaris 2364
plants 5903
Solanum tuberosum 5794
Triticum aestivum 5625
nucleocytoplasmic interaction
Beta maritima 6075
Beta vulgaris 6075
nucleotide sequences
adenosinetriphosphatase, *Pisum sativum* 1835
Secale cereale 1248
Triticum aestivum 1248
Petunia hybrida 2470
Pisum sativum 3631
plants 6542
reviews 845
plasmids, *Zea luxurians* 2943

Mitochondrial genetics *cont.*
protoplast fusion
Brassica 3870
Cichorium intybus 3320
Glycine max 28
Helianthus annuus 3320
Lotus corniculatus 28
Lycopersicon esculentum 2218
Lycopersicon peruvianum 2218
Medicago sativa 28
Nicotiana plumbaginifolia 2218
Nicotiana tabacum 2218
Oryza sativa 28
pseudogenes
Arabidopsis thaliana 724
Glycine max 1244
Helianthus annuus 1794
pulsed field electrophoresis, plants 5874
recombination
Petunia hybrida 1247
plants 1874
repetitive DNA
Meloidogyne 3356
Oryza sativa 3490
plants 1874
Triticum aestivum 4088
restriction analysis, *Agaricus bisporus* 1434
restriction fragment length polymorphism
Aegilops 1998
Aegilops longissima 4728
Dasypyrum villosum 4728
Glycine max 4178
Hordeum vulgare 4728
Malus 2546
Nicotiana glutinosa 4960
Nicotiana tabacum 4960
Oryza sativa 1442
Saccharum 922
Thymus vulgaris 1971
Triticum 1998
Triticum aestivum 4728
Triticum durum 4728
restriction mapping
Phaseolus coccineus 535
Phaseolus vulgaris 535
ribosomal DNA
Oenothera berteriana 5096
Zea mays 5953
ribosomal RNA, *Secale cereale* 6520
ribosomes 746
Arabidopsis thaliana 724
Hordeum vulgare 5773
Petunia hybrida 1284
plants 5912
Triticum aestivum 5774
RNA editing
Arabidopsis thaliana 5851
Beta vulgaris 4646
Oenothera 5842
Petunia 5802
somaclonal variation, *Triticum aestivum* 4088, 4251
taxonomy, *Cichorium* 5928
techniques
Daucus carota 6585
plants 5953
tissue culture, *Triticum aestivum* 4251
transfer RNA 746
Helianthus annuus 1794, 6255
Oenothera berteriana 2348, 5772
plants, reviews 1355
Solanum tuberosum 215, 5825-5826
Zea mays 2470
Mitochondrial processing peptidase, nucleotide sequences, rats 187
Mitochondrial uncoupling protein
transcription
adipocytes, hamsters 243
cell lines 243
transgenics, mice 243
Mitogen-activated protein kinase
gene expression, *Nicotiana tabacum* 1289
nucleotide sequences, *Nicotiana tabacum* 1289
Mitosis, fibroblasts, proto-oncogenes, disruption, cell culture, mice 154
Mitotic recombination
genes, zinc finger, immunoglobulins, nucleotide sequences, mice 1235
Mitotic recombination *cont.*
immunoglobulins
mice 1868
transgenics, mice 2394
T lymphocytes
receptors
diabetes, polymerase chain reaction, mice 1303
nucleotide sequences, mice 3432
thyroid gland, mice 1858
Mixoploidy, flow cytometry, *Cucumis sativus* 2025
Molasses, utilization, riboflavin, production, *Eremothecium ashbyii* 4349
Molecular biology
gene expression, books 3831
intermediate filaments, neurons, reviews 1857
keratin, reviews 1847
milk proteins, cattle, reviews 1222
Molecular genetics 3045
acid phosphatase, plants, reviews 4609
actin 4028
Avena sativa 4072
Agaricus bisporus 2028
Agrobacterium tumefaciens, plants 1106, 1112, 1116
agrocinopine synthase
Agrobacterium rhizogenes 122
Agrobacterium tumefaciens 122
albinism, lethals, mice, reviews 792
Alternaria radicina, Nicotiana tabacum 4549
alternative oxidase, plants 6408
amino acids
plants, reviews 6401
transporters, neurotransmitters, mammals, reviews 3509
α-amylase, *Hordeum vulgare* 3555
animal diseases, epidemiology, reviews 1702
animal welfare, livestock 5502
animals, conferences 3288
anthocyanins
plants 1356
Rosa 4617
Zea mays 1916
antisense DNA, *Lycopersicon esculentum,* reviews 6379
aspartate aminotransferase, *Medicago sativa* 2448
auxins
Arabidopsis thaliana 3024
plants, reviews 6387
blue light
Arabidopsis thaliana 3024
plants 2432
books 5463, 6750, 6754, 6756, 6758-6759
capillovirus group, reviews 3357
carbonate dehydratase, *Pisum sativum* 863
catalase
Nicotiana tabacum 3024
plants, reviews 6711
Zea mays 5840
cells
animals, techniques, books 3827
eukaryotes, techniques, books 3660, 3665
mammals, techniques, books 3306, 3418, 3655, 3658, 3667
cereals 3084
chitin
disease resistance, plants, reviews 1373
pest resistance, plants, reviews 1373
chitinase, plants 3381
chlorophyll *a/b* binding protein, plants 5799
chromosomes 6750
Cicer arietinum 4923
Clavibacter michiganensis, Solanum 6178
closterovirus group, reviews 3357
colour
plants 1356
Rosa 4617
Zea mays 1916
complement
laboratory mammals, conferences 3826
Molecular genetics *cont.*
complement *cont.*
livestock, conferences 3826
computer software 1460
coronatine, *Pseudomonas syringae* pv. *glycinea* 2591
cuticle, *Hyalophora cecropia* 6189
cysteine proteinases, *Solanum tuberosum* 4629
cytoplasmic male sterility, *Vicia faba* 3254
dehydrin, plants 1329
development
Petunia hybrida 1902
plants 1905, 3015
books 4917
reviews 6411
Zea mays, reviews 5220
dihydropyridine, receptors, gene mapping, mice 1397
disease resistance
plants 3380, 5524
poultry, reviews 601
diseases, plants 3374, 3379
DNA 5327, 5332
Zea mays 6426
DNA binding proteins 6758
Pisum sativum 6300
Zea mays 5224
DNA conformation, *Zea mays* 4083
DNA content, plants 1443
DNA photolyases
Arabidopsis thaliana 3024
plants 2432
DNA polymerase, *Petunia hybrida* 4599
DNA primase, *Triticum aestivum* 6400
DNA repair, *Petunia hybrida* 4599
DNA topoisomerase, *Cucurbita pepo* 1924
dwarfism, gene mapping, mice 1936
electrophoresis, books 6747
endosperm
plants 1905
Zea mays 5224
environment 6119
enzymes, books 6745
Erwinia, Solanum 6178
ethylene
Arabidopsis thaliana 3024
plants, reviews 1346
eukaryotes, microorganisms, books 2737
evolution 5848
Acremonium 2314
angiosperms 6524
Epichloe 2314
Gramineae 2314
palaeobotany 4027
plants 5799, 6509
fertilization, plants 1598
flavonoid 3′,5′-hydroxylase, *Rosa* 4617
flavonoids
plants 1356
Zea mays 6426
flowering
Arabidopsis thaliana 1877
books 1643
flowers
Antirrhinum 1909
Arabidopsis thaliana 1909, 1914
Petunia hybrida 1902
plants 1356, 3574
fruits, *Lycopersicon esculentum,* reviews 6379
Fulvia fulva, Lycopersicon esculentum 4433
Fusarium oxysporum, Lycopersicon esculentum 4186
Fusarium solani, Nicotiana tabacum 4549
gene mapping, reviews 2552
genes
colour, melanotropins, receptors, mice 818
homeo box, embryonic development, vertebrates, reviews 1313
sex determination, mammals, reviews 365
genetic improvement, growth, pigs 3879
genetic relationships
Ceratocystis ulmi 100
Ophiostoma novo-ulmi 100

Molecular genetics *cont.*
β-glucosidase, books 4916
glutathione reductase, *Pisum sativum* 3995
glutathione reductase (NADPH), plants, reviews 6711
glutathione transferase, reviews 820
glutelins, *Oryza* 6438
grain legumes 4923
heat shock proteins, plants, reviews 4905
heterosis
Triticum aestivum 1873
Zea mays 1873
histones, crops 5631
homeotic genes
Antirrhinum 1909
Arabidopsis thaliana 1909
plants 3574
host parasite relationships, brome mosaic bromovirus, *Hordeum vulgare* 123
immunoglobulins, fishes 3951
imprinting, insulin-like growth factor, mice 263
in vitro culture, fertilization, *Zea mays* 2158
information systems, reviews 6125
insecticide resistance, *Drosophila melanogaster* 6179
introns 859, 4028
isotype switching, B lymphocytes, mice 614
karyotypes
Ceratocystis ulmi 100
Ophiostoma novo-ulmi 100
leaves, *Zea mays* 5223
lectins
disease resistance, plants, reviews 1373
pest resistance, plants, reviews 1373
Pisum sativum 6300
legumin, *Vicia faba* 306
light, *Arabidopsis thaliana* 1880
major histocompatibility complex
fishes 3951
reviews 832
matrix associated regions, plants, reviews 6360
meat production, livestock, reviews 1661
milk proteins, reviews 5746
movement proteins
cowpea mosaic comovirus 3367
viruses
plants 6198
reviews 6198
Nematoda, plants, reviews 2268
Nicotiana plumbaginifolia 5234
nitrate, plants, reviews 6389
nitrite reductase, plants, reviews 6389
nucleolus organizer, *Triticum aestivum* 2444
nutrient transport
Arabidopsis thaliana 335
Spinacia oleracea 335
oncogenes, plants 4085
ovalbumin, fowls, reviews 1861
oxidative stress, plants, reviews 6711
palaeobotany 5327
pathogenesis, equine encephalomyelitis virus, horses 5520
pathogenesis-related proteins, plants 3381
pathogenicity
Pseudomonas syringae pv. *syringae*, *Phaseolus vulgaris* 106
Ustilago zeae 89
pathogens
plants 3380
books 1635
reviews 602
peroxidases, plants, reviews 6711
pH, *Rosa* 4617
phenylalanine ammonia-lyase, plants 3374
phosphoenolpyruvate carboxylase, plants 5837
phosphoric monoester hydrolases, plants, reviews 4609
photosynthesis, plants 5799
phytochrome
Avena sativa 4072
plants 2480
reviews 1336

Molecular genetics *cont.*
Pisum sativum 3545
plant development
Antirrhinum 1909
Arabidopsis thaliana 1877, 1909, 1914
plant diseases, *Pisum sativum* 3382
plant hairs, *Arabidopsis thaliana* 5827
plants 3842, 6184, 6566
conferences 3288
plasmids
Agrobacterium rhizogenes 122
Agrobacterium tumefaciens 122
pollen, *Narcissus papyraceus* 5197
pollen germination, plants 2161
profilins, *Zea mays* 4077
protozoa, conferences 6172
Pseudomonas solanacearum, *Solanum* 6178
Pseudomonas syringae
Arabidopsis thaliana 2841
Lycopersicon esculentum 5527
Puccinia sorghi, *Zea mays* 2257
quality
Hordeum vulgare, reviews 4421
Triticum aestivum, reviews 4421
quantitative traits, reviews 2019
repetitive DNA
Arabidopsis thaliana 6551
Caenorhabditis elegans 96
cereals 3083
Helianthus annuus 3628
Lycopersicon esculentum 4186
Narcissus papyraceus 5197
plants 1443
Vitis 2009
Vitis vinifera 2009
replication, brome mosaic bromovirus, *Hordeum vulgare* 123
ribonucleases
Nicotiana 3772
Petunia 3772
plants 6702
ribosomal DNA
angiosperms 6524
Heterodera 3359
Hordeum vulgare 3029
Lathyrus 3625
Lathyrus sativus 3624
Secale cereale 3029
Triticum aestivum 2444, 3029, 5211
Zea mays 4083
ribosomal RNA, plants 6354
ribozymes 5848
ribulose-bisphosphate carboxylase
plants 6509
reviews 1380
ripening, *Lycopersicon esculentum*, reviews 6379
RNA
Agaricus bisporus 3033
Avena sativa 4072
barley yellow dwarf luteovirus 2258
Hordeum vulgare 351
salicylic acid binding protein, *Nicotiana tabacum* 3024
self incompatibility
Brassica 1599
Brassica alboglabra 2678
Brassica napus 4337
Nicotiana 3772
Petunia 3772
plants 2164, 6702
reviews 5430
Solanaceae 2156
Solanum chacoense 2678
senescence, *Brassica napus* 6251
sex determination
Caenorhabditis elegans 3371
mice, reviews 1850
small nuclear RNA 859
social impact 6119
Solanum tuberosum 6435
somatoliberin, receptors, gene mapping, mice 1936
spermatogenesis, mammals, reviews 1848
splicing 859
starch synthase
Oryza 2968
Oryza sativa 2968

Molecular genetics *cont.*
stearoyl-CoA desaturase, *Arabidopsis thaliana* 6272
stilbene synthase
Arachis hypogaea 4112
Pinus sylvestris 4112
stress
Arabidopsis thaliana 3024
Leguminosae 4356
plants, reviews 6710
sugars
Arabidopsis thaliana 335
Spinacia oleracea 335
superoxide dismutase, plants, reviews 6711
systemic acquired resistance, *Arabidopsis thaliana* 3024
T lymphocytes, differentiation, laboratory mammals, reviews 260
techniques 949, 1644, 6750, 6754, 6756, 6758
books 1639, 2194, 6740, 6745, 6766
plants, books 6748
toxins, *Pseudomonas syringae* pv. *glycinea* 2591
transcription factors, *Arabidopsis thaliana* 5827
transfer RNA, plants, reviews 1355
transgenics
laboratory mammals, reviews 2801
livestock, reviews 2801
transposable elements 5676
Nicotiana plumbaginifolia 5806
Nicotiana tabacum 280
Oryza 2968
Oryza sativa 2968
Zea mays 280, 1327, 2257, 3013, 4997, 5223
Trichoderma viride, *Nicotiana tabacum* 4549
Triticeae 4713
Triticum aestivum 2545, 4713
tubers, *Solanum tuberosum* 4629
β-tubulin, *Avena sativa* 4072
γ-tubulin, *Arabidopsis thaliana* 4013
ultraviolet radiation, *Zea mays* 6426
xyloglucan transferase, plants, reviews 4552
Zea mays 272

Mollusca
embryos, quality, density gradient centrifugation 4235
gynogenesis, induction, ultraviolet radiation 6043
nucleotide sequences, species differences 1404
populations, mitochondrial DNA, restriction fragment length polymorphism 1392
restriction fragment length polymorphism, species differences 1404
sexual maturity, induction, temperature, water 6064
spermatozoa, proteins, nucleotide sequences 693
triploidy
induction
cytochalasin B
body weight 4311
mortality 4311

Monitoring, pollutants, biodegradation, bacteria, DNA probes 2703

Monoclonal antibodies
animal production, livestock, reviews 5354
antigenic determinants, aphthovirus 59
cell membranes, *Lepidium sativum* 2041
cytoplasmic male sterility, *Vicia faba* 5356
detection
beet western yellows luteovirus 2587
Borrelia afzelii 2036
Borrelia burgdorferi 3149
herbicides 430
mycoplasma-like organisms 2589
potato leaf roll luteovirus 2587
Pythium ultimum 2593
terbuthylazine 430
diagnosis, equine herpesvirus 420
diagnostic techniques, livestock, reviews 5354

Monoclonal antibodies *cont.*
embryos, ova, fertilization, detection, mice 414
glycoalkaloids, *Solanum tuberosum* 6591
isotyping, assays, techniques 5331
lipopolysaccharides, *Brucella abortus* 1476
lipoxygenase, *Oryza sativa* 5963
neural recognition molecules, analysis, reviews 1864
oviducts, antigens, cattle 1067
production, hybridomas, *Francisella tularensis* 5012
Pseudocercosporella herpotrichoides, cereals 441
selectins, gene expression, cell lines 5014
viruses, *Vicia faba* 5356
Monocotyledons
chloroplast genetics
ribulose-bisphosphate carboxylase 1798
taxonomy 1798
nucleotide sequences
ribulose-bisphosphate carboxylase 1798
taxonomy 1798
Monooxygenases
gene expression
liver, rats 4044
yeasts 4044
nucleotide sequences, liver, rats 4044
Monophenol monooxygenase, mutations, pigmentation, nucleotide sequences, mice 4971
Monosaccharide-H$^+$ symporter
gene expression, *Arabidopsis thaliana* 6428
genetic engineering, *Arabidopsis thaliana* 6428
Monosaccharide transporters, nucleotide sequences, *Nicotiana tabacum* 741
Monoterpenes, tissue culture, *Lavandula latifolia* 2274
Morphogenesis
gene expression, embryonic development, central nervous system, mice 5725
genes
nucleotide sequences
embryonic development, fowls 5753
mice 5725
Morphology
anther culture, *Oryza sativa* 4496
gametoclonal variation, *Oryza sativa* 4496
gene mapping
Prunus persica 4157
Zea mays 1978
Zea mexicana 1978
Zea parviglumis 1978
genetic markers
Zea mays 1978
Zea mexicana 1978
Zea parviglumis 1978
induced mutations, *Oryza sativa* 4496
random amplified polymorphic DNA, *Prunus persica* 4157
somaclonal variation, *Populus* 2296, 5557
Mortality
antisense DNA, transcription factors, gene therapy, mice 6202
cells, heat shock proteins, cell lines 194
embryo transfer, embryos, quality, embryos, cattle 2608
embryos
embryo transfer, cattle 2060
keratin, targeted mutagenesis, embryonic stem cells, mice 611
proto-oncogenes, disruption, mice 154
insulin, transgenics, mice, reviews 5513
insulin-like growth factor, transgenics, mice, reviews 5513
triploidy, induction, cytochalasin B, mollusca 4311
Morus laevigata, tissue culture 475
Mouse mammary tumour virus
gene expression, transgenics, mice 5500
gene transfer, T lymphocytes, clonal deletion, mice 5500
Mouse mammary tumour virus *cont.*
transmission, T lymphocytes, receptors, transgenics, mice 586
Movement proteins
genetic transformation
squash leaf curl bigeminivirus, *Nicotiana benthamiana* 1723
tobacco mosaic tobamovirus, *Nicotiana tabacum* 1717
molecular genetics
cowpea mosaic comovirus 3367
viruses
plants 6198
reviews 6198
mutations, cowpea mosaic comovirus 3367
Mucins
nucleotide sequences
dogs 714
rats 5079
transcription, dogs 714
Mucopolysaccharidosis
β-glucuronidase
mutations
nucleotide sequences, mice 1155
restriction fragment length polymorphism, mice 1155
Mucuna pruriens, cell culture, L-DOPA 151
Mullerian inhibiting substance, gene expression, mammals, reviews 3938
Multiple alleles
nomenclature, *Arabidopsis thaliana* 5679
phytochrome, *Arabidopsis thaliana* 5679
Multiple genes
co-suppression, plants, reviews 6370
gene expression, plants, reviews 6370
genetic transformation, plants, reviews 6370
Multiple intestinal neoplasia, restriction fragment length polymorphism, polymerase chain reaction, mice 889
Municipal solid wastes, composting, bioreactors 3786
Murothecium roridum, *in vitro* selection, *Cucumis melo* 5008
Musa
biotechnology 2096
cell culture, somatic embryogenesis 4111, 5397
DNA probes
Mycosphaerella fijiensis 435
Mycosphaerella musicola 435
gene mapping
random amplified polymorphic DNA 3632
restriction fragment length polymorphism 3632
genetic markers, genomes 5283
genetic transformation 4111
in vitro culture 1040
in vitro selection, *Fusarium oxysporum* 6192
polymerase chain reaction 928
Mycosphaerella fijiensis 435
Mycosphaerella musicola 435
protoplasts 3197
random amplified polymorphic DNA, genomes 5283
somaclonal variation 2304
tissue culture 470, 1553, 3715
Fusarium oxysporum 6192
Musa acuminata, restriction fragment length polymorphism, chloroplast genetics 3082
Muscle weight, transforming growth factor, gene expression, transgenics, mice 3334
Muscles
abnormalities, ryanodine, receptors, targeted mutagenesis, mice 6215
carcass composition, somatotropin, pigs 2165
cells
Adenoviridae, vectors, gene transfer, rats 2208
genes
homeo box
gene expression, rats 2323
nucleotide sequences, rats 2323
Muscles *cont.*
cells *cont.*
transcription factors, targeted mutagenesis, mice, reviews 5000
tropomyosins, RNA, alternative splicing, rats 5730
colony stimulating factor, nucleotide sequences, rats 4501
creatine kinase
gene expression, transgenics, rats 5764
promoters
regulation
heart, rabbits 5764
skeleton, rabbits 5764
denervation, myogenin, promoters, gene expression, transgenics, mice 5139
development, DNA binding proteins, promoters, gene expression, mice 791
diaphragm, reporter genes, gene transfer, mice 1663
differentiation, DNA methylation, mice 5149
DNA, injection, gene expression, mice 4935
DNA binding proteins, nucleotide sequences, rats 5621
dystrophin, gene transfer, gene therapy, muscular dystrophy, mice 4387
gene expression
actin, promoters, gene transfer, mice 3322
desmin, transgenics, mice 2808
glycoproteins, dystrophin, rabbits 2412
neurofilaments, promoters, transgenics, mice 3336
gene transfer, gene therapy, mice 4935
genes
isolation techniques, DNA, cloning, pigs 6241
nucleotide sequences, pigs 6241
glucose
transporters
gene expression, glycolysis, transgenics, mice 5506
gene transfer, mice 5506
myogenin, targeted mutagenesis, embryonic stem cells, mice 2811, 2863
myosins
gene expression, DNA binding proteins, rats 5621
promoters, transgenics, mice 3332
reporter genes, gene transfer, plasmids, gene expression, mice 2767
transcription factors
nucleotide sequences, mice 2332
restriction fragment length polymorphism, pigs 4669
reviews 773
targeted mutagenesis, books 5466
tropomyosins, exons, splicing, gene expression, rats 6342
Muscular dystrophy
gene therapy, dystrophin, gene transfer, muscles, mice 4387
gene transfer, dystrophin, gene therapy, mice 3327
Mushrooms
DNA probes
La France disease 443
viruses 443
Mussaenda erythrophylla, tissue culture, somatic embryogenesis 2621
Mutagenesis (*see also* Insertional mutagenesis; Targeted mutagenesis)
behaviour, mice, reviews 6346
oestrogen receptors, gene expression, mice 772
polymerase chain reaction, techniques 3103
Mutagens
cell culture, *Alhagi kirghisorum* 2878
in vitro selection, *Alhagi kirghisorum* 2878
somaclonal variation, *Alhagi kirghisorum* 2878
Mutations
abscisic acid, *Zea mays* 279, 6416

Mutations *cont.*
ACC synthase, *Lycopersicon esculentum* 5819
acetolactate synthase, *Arabidopsis thaliana* 4439
amino acids, *Pleurotus salmoneostramineus* 4303
γ-aminobutyric acid, insecticide resistance, animal models, *Drosophila melanogaster* 2171
anthocyanins
Arabidopsis thaliana 3470
Lycopersicon esculentum 6377
Zea mays 2373
anthranilate synthase, *Arabidopsis thaliana* 862
antigens, immunological diseases, tumour necrosis factor, mice 4149
atrazine, *Solanum tuberosum* 2272
autoimmunity, mice 2995
avoidance, polymerase chain reaction, techniques 3132
books 6763
collagen, skeleton, abnormalities, transgenics, mice 1693
colour, *Antirrhinum majus* 6299
correction, Adenoviridae, vectors, targeted mutagenesis 5551
cyclops, genes, axial, gene expression, fishes 266
detection
argininosuccinate synthase, embryos, cattle 1482
DNA, electrophoresis, techniques 3113
gene mapping, polymerase chain reaction, reviews 2494
globins, techniques, polymerase chain reaction, mice 2024
polymerase chain reaction
DNA, denaturation, techniques 2571
techniques 940
techniques, polymerase chain reaction 952
development
Arabidopsis thaliana 5768, 5813, 5855
Petunia hybrida 342
dihydrokaempferol 4-reductase
Lycopersicon esculentum 6377
Pharbitis nil 4715
disease resistance, plants 5524
diseases, targeted mutagenesis, embryonic stem cells, mice 1749
DNA binding proteins
nucleotide sequences, mice 5496
Zea mays 3039
DNA topoisomerase, cell lines 2340
elicitors, *Lycopersicon esculentum* 5532
elongation factors, *Arabidopsis thaliana* 4601
embryogenesis, *Arabidopsis thaliana* 5813
endosperm, *Zea mays* 5796
epidermal growth factor, receptors, nucleotide sequences, abnormalities, hair, mice 3967
epidermis, *Antirrhinum majus* 6299
ethylene
Arabidopsis thaliana 725
Lycopersicon esculentum 5819
N-ethyl-*N*-nitrosourea, gene expression, testes, transgenics, mice 5505
fenthion, *Lycopersicon esculentum* 5532
flavonols, *Petunia hybrida* 6443
flowers
Antirrhinum majus 6299
Petunia hybrida 342
Pharbitis nil 4715
frequency, reporter genes, techniques, transgenics, mice 3664
gamma radiation, *Arabidopsis thaliana* 4205
gene transfer, globins, transgenics, mice 5494
genes, homeo box, brain, embryos, rats 2998
glucose-1-phosphate adenylyltransferase, *Zea mays* 5796

Mutations *cont.*
β-glucuronidase
nucleotide sequences, mucopolysaccharidosis, mice 1155
restriction fragment length polymorphism, mucopolysaccharidosis, mice 1155
height, *Zea mays* 5932
herbicide resistance, *Arabidopsis thaliana* 4439
herbicides, *Solanum tuberosum* 2272
homeotic genes, *Arabidopsis thaliana* 4631
lectins, *Hordeum vulgare* 6374
light, *Arabidopsis thaliana* 5768, 5831, 5855
lipids, plants, reviews 6376
lipoprotein lipase, gene expression, cell lines 1319
major histocompatibility complex, nucleotide sequences, mice 1218
mitochondrial DNA
nucleotide sequences, mice 3443
slippage replication, pigs 257
monophenol monooxygenase, pigmentation, nucleotide sequences, mice 4971
movement proteins, cowpea mosaic comovirus 3367
neurotrophin, nervous system, abnormalities, mice 6207
nodulation, *Rhizobium meliloti* 293
nuclear localization sequences, *Zea mays* 3039
nucleotide sequences
phosphoric monoester hydrolases, haematopoiesis, mice 3538
thyrotropin, receptors, hypothyroidism, mice 4494
ovules, *Arabidopsis thaliana* 4631
phosphorylase kinase, deficiency, nucleotide sequences, mice 4519
phytochrome, *Arabidopsis thaliana* 4601
phytochrome A, *Arabidopsis thaliana* 728
plant embryos, *Zea mays* 279, 6416
plastocyanins, *Spinacia oleracea* 4084
pollen, *Arabidopsis thaliana* 5343
protein-tyrosine-phosphatase, nucleotide sequences, mice 5867
proto-oncogenes
gene expression, transgenics, kidney diseases, mice 6166
genetic transformation, fibroblasts, rats 3417
Pseudomonas syringae pv. *tomato*, *Lycopersicon esculentum* 5532
regeneration, *Nicotiana plumbaginifolia* 6642
regenerative ability, *Eleusine coracana* 6220
rhamnosyltransferases, *Petunia hybrida* 2363
riboflavin, binding proteins, nucleotide sequences, fowls 2331
ripening, *Lycopersicon esculentum* 5819
seeds, *Zea mays* 5785
somatoliberin
receptors
anterior pituitary, mice 5163
dwarfism, mice 4127
somatotropin
receptors
gene expression, cell lines 1304
nucleotide sequences, dwarfism, fowls 1304
spasmodic, gene mapping, mice 5858
steroid 11β-monooxygenase, restriction fragment length polymorphism, rats 3049
stress, *Zea mays* 279
tail kinks, skeleton, gene mapping, microsatellites, mice 1949
techniques 949
Arabidopsis thaliana 4205
tillering, *Eleusine coracana* 6220
tryptophan, *Arabidopsis thaliana* 862

Mutations *cont.*
tyrosine kinase
receptors
binding proteins
gene expression
ovaries, mice 1306
Sertoli cells, germ cells, binding, mice 1312
testes, mice 1306
ultraviolet radiation, *Arabidopsis thaliana* 4205
variegation, *Zea mays* 5785
virulence, *Fulvia fulva* 4433
vivipary, *Zea mays* 6416
zein, *Zea mays* 343
Mycobacterium, identification, polymerase chain reaction 1507
Mycobacterium paratuberculosis, diagnosis, polymerase chain reaction 1478
Mycoplasma bovis, ELISA, milk 1483
Mycoplasma capricolum, replication, origin, gene mapping 2251
Mycoplasma gallisepticum, DNA probes, detection 1495
Mycoplasma iowae
diagnosis, polymerase chain reaction, fowls 1509
DNA probes, polymerase chain reaction 1509
Mycoplasma-like organisms
DNA hybridization, *Circulifer tenellus*, *Lycopersicon esculentum* 3373
DNA probes, detection 2589
ELISA, detection 2589
immunological techniques
Cynodon dactylon 444
Saccharum officinarum 444
monoclonal antibodies, detection 2589
Mycoplasma mycoides, ELISA, diagnosis 1493
Mycorrhizal fungi
DNA probes
identification 429
repetitive DNA 429
Mycorrhizas, gene expression, *Allium cepa* 168
Mycosphaerella fijiensis
DNA probes, *Musa* 435
polymerase chain reaction, *Musa* 435
Mycosphaerella graminicola
DNA fingerprinting 447
restriction fragment length polymorphism 447
Mycosphaerella musicola
DNA probes, *Musa* 435
polymerase chain reaction, *Musa* 435
Mycosphaerella populorum
somaclonal variation
Populus nigra 4835
Populus trichocarpa 4835
Mycotoxins
DNA probes, detection, foods, reviews 2595
ELISA
detection
cereals, USA 4777
foods, reviews 2595
mitochondrial genetics, *Zea mays* 5535
targeted mutagenesis, *Zea mays* 5535
trichothecenes, nucleotide sequences, *Fusarium sporotrichioides* 2261
Myelin basic protein
gene expression, embryos, mice 3522
nucleotide sequences, embryos, mice 3522
promoters, embryos, mice 3522
transcription factors, gene expression, central nervous system, mice 5731
Myeloperoxidase, promoters, protein binding elements, mice 5760
Myoblasts, interferon, receptors, targeted mutagenesis, gene therapy, mice 4493
Myocardium
Adenoviridae, vectors, gene transfer, rats 2208
gene expression
actin, promoters, gene transfer, mice 3322
regulation, rats 3306
gene transfer, techniques, rats 3306

Myogenesis, transcription factors, targeted mutagenesis, embryonic stem cells, mice, reviews 5004
Myogenin
gene expression, transgenics, mice 598
promoters
gene expression
muscles, denervation, transgenics, mice 5139
transgenics, embryos, mice 2988
restriction fragment length polymorphism, pigs 2506
targeted mutagenesis, embryonic stem cells, muscles, mice 2811, 2863
Myosins
DNA binding proteins
cell lines 1865
gene expression, mice 1865
nucleotide sequences, mice 1865
enhancers, gene expression, mice 2999
gene expression
DNA binding proteins, muscles, rats 5621
enhancers, binding proteins, transgenics, mice 579
rats 5603
nucleotide sequences
cattle 5086
rats 5603
promoters
muscles, transgenics, mice 3332
transcription factors, gene expression, heart, fowls 5767
RNA, alternative splicing, rats 5603
transcription
activation
retinoids, receptors, mice 2999
thyroid hormones, mice 2999
Myzus persicae
ELISA
beet western yellows luteovirus 2587
potato leaf roll luteovirus 2587
genetic transformation, *Nicotiana plumbaginifolia* 1183
protoplast fusion 1686
NAD^+ ADP-ribosyltransferase, nucleotide sequences, fishes 3973
NADH dehydrogenase
gene mapping, plants 5912
mitochondrial genetics
Brassica campestris 736, 4613
Lactuca sativa 4613
Oenothera 4622
plants 5815, 5912
Triticum aestivum 5774
Zea mays 5705
nucleotide sequences
Brassica campestris 736
Zea mays 5705
RNA editing
Brassica campestris 736, 4613
Lactuca sativa 4613
Oenothera 4622
plants 5815
Triticum aestivum 5774
NADH dehydrogenase (ubiquinone)
DNA hybridization, plants 5903
gene expression, *Triticum aestivum* 1893
mitochondrial genetics
Beta vulgaris 2364
plants 5903
Solanum tuberosum 5794
Triticum aestivum 5625
nucleotide sequences
Beta vulgaris 2364
Triticum aestivum 5625
Zea mays 5117
RNA editing
Solanum tuberosum 5794, 6381
Triticum aestivum 5625
translation, *Solanum tuberosum* 6381
NADPH:isoflavone oxidoreductase
gene expression, *Cicer arietinum* 4022
nucleotide sequences, *Cicer arietinum* 4022
Napin
gene expression
Brassica napus 1921, 2445, 6383
Nicotiana tabacum 1921
genetic transformation, *Nicotiana tabacum* 1921
Napin *cont.*
promoters, *Brassica napus* 1921, 6383
tissue culture, *Brassica napus* 2445
Narcissus papyraceus
molecular genetics
pollen 5197
repetitive DNA 5197
Narenga
chloroplast genetics, evolution 4189
restriction fragment length polymorphism, evolution 4189
Naringenin-chalcone synthase
co-suppression, *Dendranthema grandiflora* 4417
gene expression
Antirrhinum 1907
Antirrhinum majus 2457
Dendranthema grandiflora 2243
Eustoma grandiflorum 3547
Glycine max 6434
Medicago sativa 5017
Petroselinum crispum 4082, 6410
Petunia 1907
Petunia hybrida 3577
Phaseolus vulgaris 1887
plants 1332
Rhizobium meliloti, Medicago sativa 293
Sinapis alba 4642
genetic engineering, *Dendranthema grandiflora* 2243
genetic transformation
Dendranthema grandiflora 4417
Petroselinum crispum 4642, 6410
nucleotide sequences
Glycine max 200
Medicago sativa 5017
promoters
Petroselinum crispum 4082
plants 1332
Sinapis alba 4642
transposable elements, *Antirrhinum majus* 2457
Naringenin 3-dioxygenase
gene expression, *Petunia hybrida* 3577
nucleotide sequences, *Malus* 2937
Natural killer cells, tumour recognition protein, RNA, alternative splicing, interleukins, mice 817
Natural products, patents 5453
Nematoda
detection
restriction fragment length polymorphism
cattle 4767
goats 4767
sheep 4767
genetic engineering, plants, reviews 2268
mitochondrial DNA, isolation techniques 3122
molecular genetics, plants, reviews 2268
Neomycin phosphotransferase
chloroplast genetics, *Nicotiana tabacum* 2211
gene expression
Nicotiana tabacum 6314
Petunia hybrida 6152
genetic engineering
biosafety, plants 1087
crops 3807
pathogenesis-related proteins, plants 1087
plants 3806
genetic transformation
Nicotiana tabacum 2211, 6314
Petunia hybrida 6152
promoters
biosafety, plants 1087
pathogenesis-related proteins, plants 1087
Neoplasms
endogenous viruses, integration, proto-oncogenes, gene expression, mice 6474
gene transfer, simian virus 40, mice 1124
genes, tumour suppression, targeted mutagenesis, mice 3402
integrins, restriction fragment length polymorphism, mice 2902
Neoplasms *cont.*
intestines
gene mapping
mice 1937
microsatellites, mice 366
restriction fragment length polymorphism, mice 366
liver
gastrin, gene expression, transgenics, mice 39
gene therapy, retroviral vectors, thymidine kinase, nucleosides, analogues, rats 561
mammary glands
oncogenes, protein-tyrosine kinase, transgenics, mice 3329
transforming growth factor, transgenics, animal models, reviews 5495
oncogenes, gene transfer, mice 2221
papillomavirus, gene transfer, mice 2219
susceptibility, gene mapping, restriction fragment length polymorphism, satellite DNA, mice 2526
Nerium oleander, tissue culture, somatic embryogenesis 6649
Nerve growth factor, tyrosine 3-monooxygenase, promoters, gene expression, proto-oncogenes, rats 4579
Nervous system
abnormalities, neurotrophin, mutations, mice 6207
catenins, gene expression, mice 6242
Herpesviridae, vectors, gene transfer, reviews 2564
interleukins, gene expression, effects, transgenics, mice 3323
syntaxins
gene expression, rats 5567
nucleotide sequences, rats 5567
transcription factors
gene expression
cell lines, mice 4586
rats 813
promoters, gene expression, embryos, mice 4586
Nervous system diseases
brain-derived neurotrophic factor, gene transfer, fibroblasts, gene therapy, rats 4927
neurofilaments, proteins, gene expression, transgenics, mice 1690, 2242
prions, replication, reviews 4978
transcription factors, targeted mutagenesis, mice 1194
Nesphostylis
chloroplast genetics, taxonomy 6547
restriction fragment length polymorphism, taxonomy 6547
Netherlands
biotechnology
agriculture, books 6764
books 2189
conferences, Nitrogen flow in pig production and environmental consequences 5437
Solanum tuberosum, genetic engineering, public opinion 2726
Neural cell adhesion molecule
promoters, gene expression, cell lines, rats 2983
targeted mutagenesis, brain, mice 2859
Neural recognition molecules
analysis
monoclonal antibodies, reviews 1864
targeted mutagenesis, reviews 1864
Neurexins, RNA, alternative splicing, gene expression, rats 267
Neurofibromatosis
gene expression, mice 5044
nucleotide sequences, mice 5044
RNA, alternative splicing, mice 5044
Neurofilaments
promoters
gene expression
brain, transgenics, mice 3336
eye lens, transgenics, mice 3336
muscles, transgenics, mice 3336

Neurofilaments *cont.*
proteins
gene expression
central nervous system, transgenics, mice 5492
nervous system diseases, transgenics, mice 1690, 2242
Neurons
degeneration, ciliary neurotrophic factor, targeted mutagenesis, embryonic stem cells, mice 1744
glucose, transporters, nucleotide sequences, rats 5748
intermediate filaments, molecular biology, reviews 1857
transcription factors, nucleotide sequences, rats 5081
Neurotensin, gene mapping, DNA hybridization, sheep 1424
Neurotransmitters
amino acids, transporters, molecular genetics, mammals, reviews 3509
RNA editing, rats 5732
transporters
gene expression, cattle 5157, 6233
nucleotide sequences, cattle 5157, 6233
Neurotrophin
mutations, nervous system, abnormalities, mice 6207
targeted mutagenesis, embryonic stem cells, mice 6207
Nicotiana
computer analysis, β-glucuronidase 6578
DNA isolation, techniques 3124
gene expression
cytoplasmic male sterility 6700
β-glucuronidase 6578
genetic transformation
coat proteins
plum pox potyvirus 1725
potato Y potyvirus 1725
disease resistance
cucumber mosaic cucumovirus 50
tomato aspermy cucumovirus 50
β-glucuronidase 6578
techniques 3124
mitochondrial genetics, cytoplasmic male sterility 6700
molecular genetics
ribonucleases 3772
self incompatibility 3772
protoplast fusion, cytoplasmic male sterility 6700
random amplified polymorphic DNA 3868
Nicotiana alata
gene expression
pollen 2679
ribonucleases 2679, 3774
self incompatibility 2679, 3774
genetic transformation
ribonucleases 3774
self incompatibility 3774
nucleotide sequences
pollen 2679
ribonucleases 2679
self incompatibility 2679
Nicotiana benthamiana
gene expression
coat proteins, plum pox potyvirus 2846
cucumber mosaic cucumovirus 2279
potato X potexvirus 2279
potato Y potyvirus 2279
genetic transformation
Agrobacterium rhizogenes 4986
antibodies, artichoke mottled crinkle tombusvirus 2853
antisense DNA, bean yellow mosaic potyvirus 2259
biosafety
cowpea chlorotic mottle bromovirus 3363
plum pox potyvirus 116
zucchini yellow mosaic potyvirus 116
coat proteins
bean yellow mosaic potyvirus 2259
Nicotiana benthamiana *cont.*
genetic transformation *cont.*
coat proteins *cont.*
cowpea chlorotic mottle bromovirus 3363
grapevine fanleaf nepovirus 4980
plum pox potyvirus 116, 2846
zucchini yellow mosaic potyvirus 116
cucumber mosaic cucumovirus 2279
replicase 2855
cymbidium ringspot tombusvirus 2850
movement proteins, squash leaf curl bigeminivirus 1723
potato X potexvirus 2279
potato Y potyvirus 2279
recombination, cowpea chlorotic mottle bromovirus 3363
replicase, pea early browning tobravirus 2847
tobacco mosaic tobamovirus, replicase 2855
transmission
plum pox potyvirus 116
zucchini yellow mosaic potyvirus 116
viruses 4986
protoplast fusion 1686
Nicotiana bigelovii
gene expression, satellite RNA, cucumber mosaic cucumovirus 120
genetic transformation
biosafety 2267
cauliflower mosaic caulimovirus 2267
recombination 2267
Nicotiana clevelandii
gene expression
coat proteins, plum pox potyvirus 2846
satellite RNA, cucumber mosaic cucumovirus 120
genetic transformation
coat proteins, plum pox potyvirus 2846
potato X potexvirus 118
Nicotiana glauca
gene expression
Agrobacterium rhizogenes 5623
genetic tumours 6267
in vitro culture 6254
interspecific hybridization 5623
nucleotide sequences
Agrobacterium rhizogenes 5623
genetic tumours 6267
in vitro culture 6254
protoplasts, regeneration 4841
Nicotiana glutinosa
protoplast fusion, interspecific hybridization 4960
restriction fragment length polymorphism
chloroplast genetics 4960
mitochondrial genetics 4960
Nicotiana langsdorffii
gene expression
Agrobacterium rhizogenes 5623
genetic tumours 6267
interspecific hybridization 5623
ribonucleases 3774
self incompatibility 3774
genetic transformation
ribonucleases 3774
self incompatibility 3774
nucleotide sequences, genetic tumours 6267
Nicotiana occidentalis
genetic transformation
Agrobacterium rhizogenes 4986
viruses 4986
Nicotiana plumbaginifolia
chloroplast genetics
protoplast fusion 2218
ribosomal RNA 1263, 6442
streptomycin 6442
streptomycin resistance 1263
gene expression
adenosinetriphosphatase 4605
apoaequorin 1348
chitinase 2464
extensin 2265
Nicotiana plumbaginifolia *cont.*
gene expression *cont.*
genetic transformation, superoxide dismutase 4616
β-glucanase 4073
heat shock proteins 5803
isopentenyl transferase 5803
small nuclear RNA 3017
genetic engineering
extensin 2265
β-glucanase 4073
superoxide dismutase 4357
genetic transformation
Agrobacterium tumefaciens 1183
apoaequorin 1348
chitinase 2464
cytokinins 1183
heat shock proteins 5803
isopentenyl transferase 1183, 5803
light 4623
Manduca sexta 1183
Myzus persicae 1183
nitrate reductase 3551, 4081
oxidative stress 3788
ozone 3788
photosynthesis 4081, 4623
protoplasts 497
recombination 2468
regeneration 6642
small nuclear RNA 3017
source sink relations 3551
superoxide dismutase 3788
techniques 497
transposable elements 5806
mitochondrial genetics, protoplast fusion 2218
molecular genetics 5234
transposable elements 5806
mutations, regeneration 6642
nucleotide sequences
repetitive DNA 1266, 3992
ribosomal RNA 1263
streptomycin resistance 1263
transposable elements 1266, 2368
promoters
adenosinetriphosphatase 4605
extensin 2265
genetic transformation, superoxide dismutase 4616
protoplast fusion 2794, 4401
gamma radiation 1122
protoplasts, regeneration 6642
tissue culture 487
Nicotiana rustica
gene expression, pollen 20
genetic transformation, pollen 20
nucleotide sequences, transfer RNA 5700
polymerase chain reaction, transfer RNA 5700
protoplast fusion 24, 3868
Nicotiana sylvestris
antisense DNA
Cercospora nicotianae 2848
chitinase 2848
β-glucanase 2848
gene expression
Cercospora nicotianae 2848
chitinase 2848
elongation factors 2962
flowers 4618
β-glucanase 2848
mitochondria 4618
photosystem I 234
Rieske FeS protein 4618
RNA binding proteins 1262
RNA helicase 3480
ubiquitin 6269
genetic transformation
Cercospora nicotianae 2848
chitinase 1899, 2836, 2848
fungi 2836
β-glucanase 2848
nucleotide sequences
elongation factors 2962
photosystem I 234
RNA binding proteins 1262
RNA helicase 3480
protoplast fusion 2794
gamma radiation 1122
splicing, RNA binding proteins 1262

Nicotiana tabacum
anther culture 2671
chromosome pairing 4109
disease resistance 4992
DNA amplification 4109
haploidy 4109, 4992
biotransformation
1,1,1-trifluoroheptane-2-ol 2857
1,1,1-trifluoroheptane-2-one 2857
cell culture
anabasine 1192
cadaverine 1192
2,4-D
cell division 3023
G proteins 3023
physical properties 1546
tobacco mosaic tobamovirus 1557
1,1,1-trifluoroheptane-2-ol 2857
1,1,1-trifluoroheptane-2-one 2857
chloroplast genetics
adenosinetriphosphatase 6395
DNA binding proteins 4633
neomycin phosphotransferase 2211
protoplast fusion 2218
RNA, ribosomal DNA 5238
cloning
disease resistance 1159
pathogenesis-related proteins 1159
co-suppression, nitrate reductase 5775
DNA binding proteins
ethylene 1361
pathogenesis-related proteins 1361
transposable elements 1243
DNA hybridization
nuclear localization sequences 303
nuclei 303
DNA methylation 5854
transposable elements 1376
DNA repair, endonucleases 2462
gene dosage
chromatin 4630
lysozyme 4630
matrix associated regions 4630
position effect 4630
gene expression 3558, 4074, 4602
abscisic acid 5834
acetolactate synthase 854
acyl-acyl-carrier-protein desaturase 6311
adenosinetriphosphatase 2720, 4006, 6395
adenosylmethionine decarboxylase 4636
Agrobacterium 2776
Agrobacterium rhizogenes 296, 506, 6353
Agrobacterium tumefaciens 294, 1119, 6134, 6264, 6388
albumins 1363, 2245
alcohol dehydrogenase 1290
alfalfa mosaic alfamovirus 3018
alternative oxidase 6324
anthers 1890, 5628
antibodies 1185, 1731
antifreeze proteins 1613
antisense DNA 1119, 1340, 1357, 2179, 3576, 4092, 4635, 5213, 6391
reviews 6427
aromatic-L-amino-acid decarboxylase 2357
ascorbate oxidase 6415
asparaginase 6378
auxins 275, 2776
binding proteins 2467
Botrytis cinerea 3364
caffeic acid *O*-methyltransferase 4635
carbonate dehydratase 6404
catalase 3016
catechol *O*-methyltransferase 1277
cauliflower mosaic caulimovirus 1331
cell culture 275
chaperonins 347, 3579
chitinase 1168, 1899, 2464, 3893, 4431, 6407
chromatin 4630
coat proteins
tobacco etch potyvirus 2263
zucchini yellow mosaic potyvirus 101
α-coixin 4117

Nicotiana tabacum cont.
gene expression *cont.*
cold resistance 1613, 6280
β-conglycinin 3552, 5793
4-coumarate-CoA ligase 298
cucumber mosaic cucumovirus 2279
cysteine synthase 2179
cytochrome P-450 6201
cytochromes 6312
cytokinins 287, 6134
2,4-D
cell division 3023
G proteins 3023
development 346, 5699, 6349
disease resistance 3361
diseases 3905, 4640
disulfide isomerase 2473
dithiothreitol 6417
DNA binding proteins 321, 4117
embryogenesis 5834
ethylene 1361
flavonoids 3035
flowering 6349
flowers 287, 3482, 4618
fluorescence 6577
β-fructofuranosidase 329
gametocides 6201
Globodera solanacearum 2265
globulins 315
β-glucanase 5534, 3040, 4073, 5628
glucose-1-phosphate adenylyltransferase 5668
β-glucuronidase 5241, 1119, 5770, 6314, 6561, 6577
glufosinate 6200
glutamate-ammonia ligase 3497
glyceraldehyde-3-phosphate dehydrogenase 6399
glycine decarboxylase 5845
glycine-rich proteins 94
glycinin 2479
glycoproteins 6422
helianthinin 5834
herbicide resistance 6200
Heterodera schachtii 1889
homeotic genes 287, 340, 3482
hordothionins 3361
hydrogen peroxide 3016
hydrogen sulfide 2179
hydroxymethylglutaryl-CoA reductase 1878
hyoscyamine (6*S*)-dioxygenase 6276
isopentenyl transferase 287
late embryogenesis abundant proteins 6390
leaves 340, 2361
legumin 315
light 1908, 4116
lignin 4635
lysine 1920
lysozyme 4021, 4630
male sterility 1890
mannopine synthase 294, 869
matrix associated regions 4630
Meloidogyne 2849
Meloidogyne incognita 1889
Meloidogyne javanica 2265
metallothionein 6384
methyl jasmonate 1900
mitochondria 4618
mitogen-activated protein kinase 1289
napin 1921
neomycin phosphotransferase 6314
nicotine 5649
nitrite reductase 2463, 3576
nopaline synthase 3559
norflurazon 1729
ornithine carbamoyltransferase 1170
osmotin 3568
pathogenesis-related proteins 288, 300, 604, 1160, 1361, 3016, 3361, 3364, 3568, 3891, 4431, 5534, 5836, 5853
pathogens, reviews 1184
Peronospora tabacina 1160, 2851
peroxidases 5812
phenylalanine ammonia-lyase 6183
photosynthesis 1340, 6369
photosystem I 1365
photosystem II 341
phytoalexins 3364

Nicotiana tabacum cont.
gene expression *cont.*
phytochrome 1908, 6362
phytoene desaturase 1729
Phytophthora megasperma 94
Phytophthora nicotianae 1160, 2851
plant development 1890
plant embryos 6390
pollen 20, 3038, 4094, 4610, 5699
pollen germination 6422
pollination 2482
polyamines 4636
polygalacturonase 5699
position effect 4630, 5793
potato X potexvirus 2279
potato Y potyvirus 2279
prolamins 289
proline-rich proteins 2482
proteinase inhibitors 4005, 5641
protoplasts 318
Pseudomonas solanacearum 6183
Pseudomonas syringae 1170
putrescine *N*-methyltransferase 5649
pyrophosphatases 6369
recombinases 4093
redox reactions 6417
repetitive DNA 3031
reporter genes 6314
restriction endonucleases 5770
resveratrol 3364
Rhizoctonia solani 1168, 2851, 3893
ribulose-bisphosphate carboxylase 1340, 4092, 6391
reviews 6427
ribulose-bisphosphate carboxylase activase 1357, 5213
Rieske FeS protein 4618
RNA 3031
salicylic acid 604, 1900, 3016, 3905
salicylic acid binding protein 3016, 3903
salinity 2720
seeds 3552, 5834
lectins 322
self incompatibility 533
senescence 869
starch 5668
stearoyl-CoA desaturase 6280
sterility
gynoecium 6699
ribonucleases 6699
stomata 5668
stress 4358
sucrose synthase 317
sulfonylurea herbicides 6201
systemic acquired resistance 3016
techniques 3578, 6561, 6577
thioneins 5637
threonine 1920
tobacco mosaic tobamovirus 1331, 1557, 3891, 4005, 4021
transcription factors 4654
transposable elements 1376, 2447, 4640
trihydroxystilbene synthase 3364
triose-phosphate translocator 4011
trypsin inhibitors 1883
tubulin 4116
wounding 5641
gene mapping
chloroplast genetics 218
transposable elements 1242
gene tagging
selectable markers 6553
spectinomycin adenyltransferase 6553
streptomycin 6553
genetic engineering
Agrobacterium 2776
air pollution 5538
alfalfa mosaic alfamovirus 2835
antisense DNA
tomato golden mosaic bigeminivirus 3355
viruses 3355
auxins 2776
carbonate dehydratase 6404
chitinase 1899, 2464
coat proteins, tobacco etch potyvirus 5533
extensin 1819
herbicides 5538

Nicotiana tabacum *cont.*
genetic engineering *cont.*
paraquat 5538
pathogenesis-related proteins 2443
Peronospora tabacina 2851
Phytophthora nicotianae 2851
Rhizoctonia solani 2851
source sink relations 5233
superoxide dismutase 5538
tobacco mosaic tobamovirus 2835
coat proteins 2834
genetic transformation 49, 3349, 3558, 3562, 4495, 4602, 5854, 6417
acyl-acyl-carrier-protein desaturase 6311
adenosinetriphosphatase 4006
adenosylmethionine decarboxylase 4636
Agrobacterium 1114
Agrobacterium rhizogenes 19, 506, 2784, 3311, 4397, 5857, 6137, 6353
Agrobacterium tumefaciens 294, 1119, 2213, 2789, 3313, 3315, 6134, 6264, 6388
Agrotis ipsilon 2838
albumins 1363, 2245
alcohol dehydrogenase 1290
alfalfa mosaic alfamovirus 3018
antibodies 1185, 1731
antifreeze proteins 1613
antisense DNA 1119, 1340, 1357, 2179, 3563, 3576, 4092, 4102, 4635, 5213
reviews 6427
tobacco mosaic tobamovirus 2842
arcelin 103
aromatic-L-amino-acid decarboxylase 2357, 4639
ascorbate oxidase 6415
asparaginase 6378
aspartate-ammonia ligase 3544
aspartate kinase 1920
auxins 5222
Bacillus thuringiensis 103
betaine-aldehyde dehydrogenase 6419
Botrytis cinerea 3364
bromoxynil 3917
cadmium 3347, 4103
caffeic acid *O*-methyltransferase 4635
cauliflower mosaic caulimovirus 5836
cecropin 3900
cell division 1325
chaperonins 347, 3579
chitinase 1168, 3893, 3906, 3908, 4432, 6407
chlorsulfuron 138
chromatin 4630
chymotrypsin inhibitors 4434
coat proteins
potato leaf roll luteovirus 2833
potato Y potyvirus 102
tobacco etch potyvirus 2263
tobacco mosaic tobamovirus 124
zucchini yellow mosaic potyvirus 101
α-coixin 4117
cold resistance 1613, 6280
β-conglycinin 3552, 5793
4-coumarate-CoA ligase 298
cucumber mosaic cucumovirus 2279
replicase 2855
cysteine synthase 2179
cytochrome P-450 5116, 6201
cytokinins 287, 6134
development 346, 631, 1325, 6349
dihydrodipicolinate synthase 1920
disease resistance 1159, 3361
potato Y potyvirus 48
diseases 3905
DNA binding proteins 4117, 5833
enzyme inhibitors 2838
Escherichia coli 2789
flowering 6349
flowers 1325, 3482
fructans 4418
β-fructofuranosidase 329
Fusarium solani 3908
gametocides 6201
gibberellic acid 3311
globulins 315

Nicotiana tabacum *cont.*
genetic transformation *cont.*
β-glucanase 5534, 3040, 3908, 4073
glucose-1-phosphate adenylyltransferase 5668
β-glucuronidase 5241, 1119, 6314
glufosinate 6200
glutamate kinase 3864
glutathione reductase 5537
glutelins 6444
glyceraldehyde-3-phosphate dehydrogenase 6399
glycine decarboxylase 5845
glycinin 2479
grapevine chrome mosaic nepovirus, coat proteins 2837
growth regulators 4114
helianthinin 5834
herbicide resistance 3916, 5537, 6200
herpes simplex virus 3578
Heterodera schachtii 1889
homeotic genes 340, 3482
hordothionins 3361
hydrogen sulfide 2179
hydroxymethylglutaryl-CoA reductase 1878
hyoscyamine (6*S*)-dioxygenase 6276
insects 4434
ioxynil 3917
isocitrate lyase 4655
isopentenyl transferase 287
leaves 340, 1325
legumin 315
levansucrase 4418
light 1908, 4116, 4623
lignin 4635
lysine decarboxylase 1192
lysozyme 4630
malate synthase 4655
male sterility 2156
mannopine synthase 294, 869
matrix associated regions 4630
Meloidogyne incognita 1889
metallothionein 3347, 4103, 6384
methyl jasmonate 1900
N-methylputrescine oxidase 4097
movement proteins, tobacco mosaic tobamovirus 1717
napin 1921
neomycin phosphotransferase 2211, 6314
nitrate reductase 5775
nitrile herbicides 3917
nitrite reductase 331, 2463, 3576
nodulins 1910
nopaline synthase 3559
norflurazon 1729
ornithine carbamoyltransferase 1170
oxidative stress 3789
palmitoyl-acyl carrier protein desaturase 4603
pathogenesis-related proteins 288, 300, 1159-1160, 3361, 3364, 3891, 5534, 5853
Peronospora tabacina 1160
peroxidases 3022, 3028, 5812
phaseolin 2467
phenylalanine ammonia-lyase 6183
photosynthesis 1340, 4623, 5449, 6369
photosystem I 1365
photosystem II 4102
phytoalexins 3364
phytochrome 1908, 6362
phytoene desaturase 1729
Phytophthora nicotianae 1160
plastocyanins 1929
pollen 20, 3038, 4610, 4655
polyamines 4636
position effect 4630, 5793
potato X potexvirus 118, 2279
potato Y potyvirus 2279
prolamins 289
proteins, plum pox potyvirus 3372
Pseudomonas solanacearum 6183
Pseudomonas syringae 1170, 3900
pyrophosphatases 6369
pyruvate decarboxylase 6361
recombinases 4093
recombination 1114
repetitive DNA 3031

Nicotiana tabacum *cont.*
genetic transformation *cont.*
replicase, potato X potexvirus 3890
reporter genes 6314
resveratrol 3364
Rhizobium meliloti 631
Rhizoctonia solani 1168, 3893, 3906, 4432
ribosome inactivating proteins 3906
ribozymes, tobacco mosaic tobamovirus 2842
ribulose-bisphosphate carboxylase 1340, 3563, 4092, 5449
reviews 6427
ribulose-bisphosphate carboxylase activase 1357, 5213
Rieske FeS protein 4102
RNA 3031
salicylic acid 1900, 3905, 5836
seeds 3552
lectins 322
self incompatibility 533
senescence 869
Spodoptera littoralis 2838
starch 5668
stearoyl-CoA desaturase 6280
stomata 5668
stress 4358, 5537
sucrose 5857
sucrose synthase 317
sulfonylurea herbicides 138, 6201
superoxide dismutase 3789
techniques 16, 21, 2789, 3850, 4394, 5485
tetracycline 4397
thioneins 5637
tobacco mosaic tobamovirus 3891
replicase 2855
toxic substances 3347
transcription factors 4654, 5833
transposable elements 1242, 2447, 4995-4996, 4998, 5841
trihydroxystilbene synthase 3364
trypsin inhibitors 1883, 2838
tubulin 1919, 4116
vegetative storage proteins 5202
immunology
disulfide isomerase 2473
N-methylputrescine oxidase 4097
in vitro culture
pollen 3196
pollen germination 4320
in vitro selection
acetolactate synthase 2298
chlorsulfuron 2298
mitochondrial genetics, protoplast fusion 2218
molecular genetics
Alternaria radicina 4549
catalase 3024
Fusarium solani 4549
salicylic acid binding protein 3024
transposable elements 280
Trichoderma viride 4549
nucleotide sequences
alternative oxidase 6324
anthers 5628
catalase 3016
catechol *O*-methyltransferase 1277
chitinase 4431, 4549
chloroplast genetics 216, 218
cytochromes 6312
2,4-D
cell division 3023
G proteins 3023
development 5699
DNA binding proteins 3497, 5812
extensin 1819
flowering 231
flowers 3482
β-glucanase 5628
glycine-rich proteins 94
homeotic genes 3482
leaves 2361
lysozyme 4021
mitogen-activated protein kinase 1289
monosaccharide transporters 741
nicotine 5649
pathogenesis-related proteins 300, 4431
phosphoglycerate mutase 2360

Nicotiana tabacum *cont.*
nucleotide sequences *cont.*
photosystem II 3502
phytochrome 2948
Phytophthora megasperma 94
pollen 5699
polygalacturonase 5699
proteinase inhibitors 5641
protoplasts 318
putrescine *N*-methyltransferase 5649
repetitive DNA 235
ribosomes 3999
ribulose-bisphosphate carboxylase activase 219
salicylic acid binding protein 3016
source sink relations 741
tobacco mosaic tobamovirus 4008, 4021
transfer RNA 235
transposable elements 1243, 1285
triose-phosphate translocator 4011
wounding 5641
potato spindle tuber viroid 5854
promoters 4602
abscisic acid 5834
Agrobacterium 2776
Agrobacterium rhizogenes 506, 5857
Agrobacterium tumefaciens 294, 6264
alfalfa mosaic alfamovirus 3018
ascorbate oxidase 6415
auxins 2776
cauliflower mosaic caulimovirus 1331, 5836
chitinase 4431
β-conglycinin 3552
DNA binding proteins 321, 5833
embryogenesis 5834
ethylene 1361
flavonoids 3035
β-glucanase 5534, 3040
glutamate-ammonia ligase 3497
glutelins 6444
helianthinin 5834
Heterodera schachtii 1889
mannopine synthase 294, 869
Meloidogyne 2849
Meloidogyne incognita 1889
methyl jasmonate 1900
nopaline synthase 3559
osmotin 3568
pathogenesis-related proteins 288, 300, 1361, 3568, 4431, 5534
pollen 4094
prolamins 289
salicylic acid 1900, 5836
seeds 3552, 5834
senescence 869
sucrose 5857
tobacco mosaic tobamovirus 1331
transcription factors 5833
trypsin inhibitors 1883
protoplast fusion 24, 577, 1686, 3868, 4401
interspecific hybridization 4960
protoplasts
auxins 6137
tobacco mosaic tobamovirus 1557
recombination 4495
restriction fragment length polymorphism
chloroplast genetics 4960
mitochondrial genetics 4960
targeted mutagenesis 4495
tissue culture 4261
copper 2651
fluorescence 6577
gamma radiation 480
β-glucuronidase 6577
hydroxyphenylamines 1563
regeneration 2651
techniques 6577
transposable elements
selectable markers 6553
spectinomycin adenyltransferase 6553
streptomycin 6553
Nicotiana tomentosiformis
gene expression
flowers 4618
β-glucanase 5534
mitochondria 4618
pathogenesis-related proteins 5534
Rieske FeS protein 4618
Nicotiana tomentosiformis *cont.*
genetic engineering
β-glucanase 5534
pathogenesis-related proteins 5534
promoters
β-glucanase 5534
pathogenesis-related proteins 5534
Nicotinamide, tissue culture, *Catharanthus roseus* 146
Nicotine
gene expression, *Nicotiana tabacum* 5649
nucleotide sequences, *Nicotiana tabacum* 5649
Nilaparvata lugens
genetic markers
Oryza australiensis 5284
Oryza sativa 5284
restriction fragment length polymorphism
Oryza australiensis 5284
Oryza sativa 5284
Nisin, genes, identification, ligase chain reaction, *Lactococcus lactis* 5563
Nitrate
genetic transformation, plants, reviews 6389
molecular genetics, plants, reviews 6389
Nitrate reductase
co-suppression, *Nicotiana tabacum* 5775
gene expression
Arabidopsis thaliana 1369
Petunia hybrida 4562
Pinus sylvestris 6294
genetic transformation
Nicotiana plumbaginifolia 3551, 4081
Nicotiana tabacum 5775
nucleotide sequences
Petunia hybrida 4562
Pinus sylvestris 6294
Nitrates
biosensors, *Pseudomonas aeruginosa* 2695
gene expression, *Arabidopsis thaliana* 3498
nucleotide sequences, *Arabidopsis thaliana* 3498
Nitric oxide, macrophages, interferon, regulatory factor, targeted mutagenesis, mice 4999
Nitric-oxide synthase, nucleotide sequences, liver cells, rats 1791
Nitrile herbicides, genetic transformation, *Nicotiana tabacum* 3917
Nitrite reductase
gene expression
Hordeum vulgare 5236
Nicotiana tabacum 2463, 3576
Spinacia oleracea 331, 2463
genetic transformation
Nicotiana tabacum 331, 2463, 3576
plants, reviews 6389
molecular genetics, plants, reviews 6389
nucleotide sequences, *Alcaligenes faecalis* 2713
promoters, *Spinacia oleracea* 331, 2463
Nitrobacteraceae, ribosomal DNA, nucleotide sequences 2882
Nitrogen
excretion, feed additives, probiotics, pigs, reviews 5437
gene expression, *Hordeum vulgare* 319
genetic transformation, *Hordeum vulgare* 319
promoters, *Hordeum vulgare* 319
straw, composting 2699
Nitrogen fixation
ammonia, biofilters, pigs, economics 2696
gene expression
Azotobacter vinelandii 204
Bradyrhizobium japonicum 167
Lotus corniculatus 4651
Medicago sativa 3996
Rhizobium meliloti 171, 3996
genetic transformation, *Lotus corniculatus* 4651
nucleotide sequences
Azospirillum brasilense 174
Azotobacter vinelandii 204
promoters, *Lotus corniculatus* 4651
targeted mutagenesis, *Lotus corniculatus* 4651
Nitrogen-responsive lipoxygenase, gene expression, *Glycine max* 1339
Nitrogenase, DNA amplification, *Rhizobium* 170
Nodulation
cloning
Alnus glutinosa 320
Vicia faba 327
DNA amplification, *Rhizobium* 170
DNA hybridization, *Rhizobium leguminosarum* 169
gene expression 333
Alnus glutinosa 320
Glycine max 866, 3932, 4091
Medicago sativa 3996, 5017, 6357
Pisum sativum 629, 730, 3422
Rhizobium 629
Rhizobium meliloti 3996, 4498
Vicia faba 327
Vicia sativa 730
mutations, *Rhizobium meliloti* 293
nucleotide sequences 333
Glycine max 205, 730
Medicago sativa 5017
Vigna aconitifolia 3423
polymerase chain reaction, *Glycine max* 2541
random amplified polymorphic DNA, *Glycine max* 2541
restriction fragment length polymorphism, *Glycine max* 6539
Rhizobium meliloti, Medicago sativa 172
Nodulins
gene expression
Glycine max 1910
Medicago sativa 1815, 6393
Pisum sativum 630, 2362
Vicia faba 3484
genetic transformation
Lotus corniculatus 1910
Medicago sativa 6393
Nicotiana tabacum 1910
nucleotide sequences
Medicago sativa 1815
Medicago truncatula 5130
Pisum sativum 2362
Vicia faba 3484-3485
promoters, *Glycine max* 1910
Nolina recurvata, tissue culture 499
Nomenclature
biotechnology 1659
genes, homeo box, vertebrates 696
genetics
Arabidopsis thaliana 5679
Zea mays 5873
multiple alleles, *Arabidopsis thaliana* 5679
random amplified polymorphic DNA, *Zea mays* 5873
restriction fragment length polymorphism, *Zea mays* 5873, 5876
toxins, genes, *Actinobacillus pleuropneumoniae* 65
Nonionic surfactants
tissue culture
Arabidopsis thaliana 3726
Corchorus capsularis 3726
Solanum dulcamara 3726
Nontarget organisms, recombinant vaccines, biosafety 1186
Nopaline
gene expression, *Agrobacterium tumefaciens* 2380
nucleotide sequences, *Agrobacterium tumefaciens* 2380
promoters, *Agrobacterium tumefaciens* 2380
Nopaline synthase
gene expression, *Nicotiana tabacum* 3559
genetic transformation, *Nicotiana tabacum* 3559
promoters, *Nicotiana tabacum* 3559
transcription factors, macrophages, mice 4999
Norflurazon
gene expression, *Nicotiana tabacum* 1729
genetic transformation, *Nicotiana tabacum* 1729
Norway, conferences, Aquatic biotechnology and food safety 6738

Nose
mucosa
cytochromes
gene expression, rabbits 5602
nucleotide sequences, rabbits 5602
Nothofagus
nucleotide sequences
evolution 4548
ribulose-bisphosphate carboxylase 4548
Nuclear localization sequences
DNA hybridization
Nicotiana tabacum 303
Zea mays 303
mutations, *Zea mays* 3039
Nuclei
DNA hybridization
Nicotiana tabacum 303
Zea mays 303
lamins, gene expression, fowls 827
transfer
blastomere
chimaeras, mice 3688
embryo transfer, pregnancy rate, mice 3688
in vitro development, cattle 5974
embryos
in vitro development, mice 5375
ultrastructure, rabbits 1049
interspecific, mice, rats, embryos, development 6611
meiosis, stage, embryos, *in vitro* development, sheep 4849
oocytes
activation
DNA, synthesis, cattle 2044
embryos
in vitro development
cattle 6677
sheep 4849
embryo transfer, pregnancy rate, cattle 4237
embryos
in vitro development
cattle 1514, 4237
pigs 5968
in vitro development, cattle 5974
pregnancy rate, cattle 2045
ultrastructure
embryos, *in vitro* development, cattle 2058
in vitro fertilization, oocytes, pigs 4865
oocytes, parthenogenesis, rabbits 1049
Zea mays 272
Nucleocytoplasmic interaction
mitochondrial genetics
Beta maritima 6075
Beta vulgaris 6075
Nucleolus organizer
DNA hybridization
Gossypium hirsutum 4158
Secale cereale 1872
gene expression
Allium cepa 5810
Triticum aestivum 2444
molecular genetics, *Triticum aestivum* 2444
nucleotide sequences, *Crepis capillaris* 732
restriction analysis, *Pinus sylvestris* 1435
restriction fragment length polymorphism, *Pinus sylvestris* 4718
Nucleoproteins
gene expression, fowls 647
nucleotide sequences
cartilage, rats 5088
fowls 647
tospoviruses 1706
Nucleoside-diphosphate kinase
nucleotide sequences
Oryza sativa 2379
Pisum sativum 5103
polymerase chain reaction, *Pisum sativum* 5103
Nucleoside diphosphate kinase II, nucleotide sequences, *Spinacia oleracea* 1841
Nucleosides, analogues, neoplasms, liver, gene therapy, retroviral vectors, thymidine kinase, rats 561
5′-Nucleotidase
gene expression, cell lines 707
nucleotide sequences, cattle 707
Nucleotide sequences (*see also* DNA sequencing; Gene sequencing)
abscisic acid 3556
Arabidopsis thaliana 2485, 5092, 5115, 5118
Lycopersicon chilense 3471
Lycopersicon esculentum 5680
Pisum sativum 3481
Triticum aestivum 2356
abscission, *Glycine max* 5215
abundance, mitochondrial DNA, animals 5027
ACC oxidase, *Petunia hybrida* 3496
ACC synthase
Arabidopsis thaliana 2366
Brassica juncea 4024
Oryza sativa 1294
accessory chromosomes, *Zea mays* 2346
acetyl-CoA carboxylase
Arabidopsis thaliana 6305
Medicago sativa 5692
Triticum aestivum 3476
Zea mays 3465
acetylcholine
receptors
insects 2919
mice 3959
promoters, rats 5195
acid phosphatase, mice 2886
acrosome
proteins
spermatozoa
guineapigs 5020
pigs 5020
actin, filament associated proteins, fowls 5039
activin
fishes 2895
receptors, rats 2341
acyl-acyl-carrier-protein desaturase
Brassica napus 6311
Linum usitatissimum 5694
acyl carrier protein, *Arabidopsis thaliana* 6308
acyl-carrier-protein thioesterase
Arabidopsis thaliana 4003
Brassica napus 1816
addressin, lymphocytes, mice 5024
adenine nucleotide translocator, *Arabidopsis thaliana* 1283
adenosine, receptors, rabbits 1203
adenosinetriphosphatase
Arabidopsis thaliana 4006, 5652
Beta vulgaris 221, 5708
Brassica napus 1341
cattle 1221
fowls 709
Glycine max 1244, 4554
Gossypium hirsutum 229
Hordeum vulgare 5095
inhibitors
liver, rats 5591
rats 4507
mice 1221
mitochondria, rats 4507
Raphanus sativus 3483
rats 1221
sheep 1221
adenosylhomocysteinase, *Catharanthus roseus* 5686
adenosylmethionine synthetase
Lycopersicon esculentum 5635
Populus interamericana 2939
adenylate cyclase
activating polypeptide
receptors
pituitary, rats 3532
rats 1315
activating protein, rats 5620
rabbits 6245
adenylate cyclase-activating polypeptide, receptors, pituitary, rats 4580, 4593
5′-adenylylphosphosulfate kinase, *Arabidopsis thaliana* 6274
adipocytes, membrane proteins, rats 5564
adrenomedullin
pigs 6235
rats 4518
Nucleotide sequences *cont.*
African swine fever virus 84
aggrecan, brain, cattle 5085
Agrobacterium rhizogenes, Nicotiana glauca 5623
agrocinopine synthase
Agrobacterium rhizogenes 122
Agrobacterium tumefaciens 122
alanine transaminase, *Hordeum vulgare* 4902
D-alanine transaminase
Lupinus angustifolius 6278
Medicago sativa 6270
alanine transaminase, *Panicum miliaceum* 4902
albumins
Arabidopsis thaliana 4607
Cucurbita 1894
alcohol dehydrogenase
mice 3581
Petunia hybrida 1257
Picea abies 4530
rabbits 3949
Zea mays 5674
aldehyde reductase, rats 3458
allergens
Sinapis alba 2942
Zea mays 2377, 3469
alternative oxidase
Glycine max 4572
Nicotiana tabacum 6324
amine oxidase (copper-containing), cattle 5065
amino acid permease, *Arabidopsis thaliana* 1904
amino acid transporter, *Arabidopsis thaliana* 212
γ-aminobutyric acid, receptors, fowls 3517
5-aminoimidazole ribonucleotide carboxylase, *Vigna aconitifolia* 3423
5-aminoimidazole-4-*N*-succinocarboxamide ribonucleotide synthetase, *Vigna aconitifolia* 3423
δ-aminolevulinic acid dehydratase, *Glycine max* 6394
ammonium transporter, *Arabidopsis thaliana* 6296
amylase inhibitors, *Hordeum vulgare* 1270
α-amylase
Vigna mungo 4568
Zea mays 6332
β-amylase, *Hordeum vulgare* 6331
anaerobiosis, *Oryza sativa* 1294
analysis
algorithms 236
computer software 239
androecium, *Lycopersicon esculentum* 1237
androgen-regulated protein, mice 664
androgens, receptors, promoters, rats 828
angiotensin
receptors
rats 2897
turkeys 1764
anions, transporters, rats 2325
annexins
Medicago sativa 5677
promoters, fowls 3448
anoxia
Hordeum vulgare 4902
Panicum miliaceum 4902
anthers
Brassica napus 1806
Lycopersicon esculentum 1237
Nicotiana tabacum 5628
Sinapis alba 744
anthocyanins
Arabidopsis thaliana 3470
Solanum melongena 2376
Zea mays 2351, 2373, 2436-2437, 5639
anthranilate synthase, *Arabidopsis thaliana* 862
anticoagulants, *Ornithodoros moubata* 1217
antigenic determinants
Coccidioides immitis 4422
feline calicivirus 1156
infectious bursal disease virus 80

Nucleotide sequences *cont.*
antigens
heat stable, mice 2420
thymocytes, mice 6227
antithrombin, fowls 241
apocytochrome *b* 746
Arabidopsis thaliana 724
Solanum 872
Triticum 872
apolipoproteins
cattle 661
dogs 1785
Arabidopsis thaliana 1807
arachidonate 12-lipoxygenase, rats 1233
arginine decarboxylase, *Lycopersicon esculentum* 2471
argininosuccinate lyase, promoters, brain, rats 3955
aromatic-L-amino-acid decarboxylase, *Catharanthus roseus* 2357
Ascochyta pisi, Pisum sativum 1927
Ascochyta rabiei, Cicer arietinum 4022
ascorbate oxidase, *Cucumis sativus* 6415
ascorbate peroxidase, *Glycine max* 2934
asialoglycoproteins, receptors, mice 710
aspartate aminotransferase, *Lupinus angustifolius* 5131
aspartate-ammonia ligase, *Asparagus officinalis* 1250
aspartate carbamoyltransferase
Arabidopsis thaliana 5671
Pisum sativum 745, 6328
aspartate kinase, *Arabidopsis thaliana* 5643
autoantigens, rats 697
auxin binding proteins
Arabidopsis thaliana 5691
Zea mays 338, 1259
auxins, *Lycopersicon esculentum* 2375
B lymphocytes
activation, proteins, mice 3435
antigens, mice 1227
maturation factors, mice 3985
Babesia bovis 62
bacteria, *Citrus* 133
beet cryptic III alphacryptovirus, *Beta vulgaris* 136
bikunin, precursors, mice 4502
bile, glycoproteins, mice 3440
bile acids, binding proteins, rats 5145
binding proteins, Y-box, liver, fowls 5729
blue light, *Arabidopsis thaliana* 2345
bone morphogenetic protein, mice 2906, 6231
books 6751-6752
Borrelia burgdorferi 2249
bovine papillomavirus, skin diseases, horses 76
bradykinin, receptors, rats 5068
Bradyrhizobium japonicum, Glycine max 205
brain, rats 2914
Brassica napus 1276
brassinosteroids, *Glycine max* 4026
C-reactive protein, liver, mice 5741
cadherins, mice 2992
caffeic acid *O*-methyltransferase, *Eucalyptus gunnii* 6302
calcidiol-24 monooxygenase, rats 5173
calcitonin
fishes 5060
receptors, rats 632
sheep 651
calcium
binding proteins, rats 3454
channels
cyclic nucleotides, cattle 5023
mice 6228
rats 3455
receptors, parathyroid, cattle 3426
calcium binding proteins
Arabidopsis thaliana 721, 5652
Hordeum vulgare 5632
Callosobruchus maculatus, Vigna unguiculata 1254
calmodulin
Arabidopsis thaliana 3991
binding proteins
brain, rats 5595
Zea mays 2960

Nucleotide sequences *cont.*
calmodulin *cont.*
Bryonia cretica 1801
Vigna radiata 5097
Zea mays 5644
calnexin, *Arabidopsis thaliana* 2945
calpain, rats 5610
calpastatin, rats 192
calponin
mice 3456
pigs 3456
rats 2915, 5019
calreticulin, *Hordeum vulgare* 5632
calretinin, mice 1305
camelpox virus 75
capsanthin-capsorubin synthase, *Capsicum annuum* 5627
carbonate dehydratase, *Arabidopsis thaliana* 6265, 6277
carboxylesterase, mice 4499
carnitine *O*-palmitoyltransferase, rats 774
casein
buffaloes 6226
cattle 1206
goats 645, 2319
mammary glands, rabbits 5031
casein kinase
rabbits 1212
rats 183
catalase
DNA binding proteins, rats 2901
Nicotiana tabacum 3016
Ricinus communis 6315
Vigna radiata 217
Zea mays 199
catechol *O*-methyltransferase
Nicotiana tabacum 1277
rats 3459
catenins, mice 6242
Catharanthus roseus 5650
cathepsin D inhibitor, *Lycopersicon esculentum* 4571
cattle 5583
cell adhesion molecule
enhancers, cell lines 2418
mice 635
cell division, *Catharanthus roseus* 5656
cellobiohydrolase II, *Trichoderma longibrachiatum* 2315
cellulase
Glycine max 5215
Sambucus nigra 5698
centromeres, *Zea mays* 2346
ceramide UDP galactosyltransferase, rats 3451
chalcone isomerase
Medicago sativa 1818, 5017
Pisum sativum 5706
Zea mays 2358
chalcone *O*-methyltransferase, *Medicago sativa* 1818
chaperonins
Arabidopsis thaliana 211
Brassica napus 6259-6260
cattle 690
mice 5054
chitin-binding proteins, *Amaranthus caudatus* 92
chitinase
Allium sativum 2352
Beta vulgaris 5529
Cicer arietinum 2967
Lycopersicon esculentum 99
Nicotiana tabacum 4431, 4549
Oryza sativa 2370
Phaseolus vulgaris 6407
Pisum sativum 1927
Solanum tuberosum 3467
Vigna angularis 5655
chlorates, *Arabidopsis thaliana* 3498
chloride, channels, rats 3934
chlorophyll
Antirrhinum majus 1809
Arabidopsis thaliana 4007
chlorophyll *a/b* binding protein
Amaranthus hypochondriacus 6326
Arabidopsis thaliana 5129, 6334
Ginkgo biloba 2435
Glycine max 5693
Pinus contorta 4529
Pinus thunbergii 4025

Nucleotide sequences *cont.*
chlorophyll *a/b* binding protein *cont.*
Pisum sativum 5102
Zea mays 2966
chloroplast genetics
Nicotiana tabacum 216, 218
Oenothera berteriana 1275
Oenothera odorata 1275
Oryza sativa 216
Pelargonium hortorum 3475
Pinus thunbergii 216
Solanum nigrum 4009
chloroplasts, *Brassica napus* 5658
chlorosis, *Hordeum vulgare* 4099
cholesterol 7α-monooxygenase, rats 2991
chondroitin sulfate, cartilage, fowls 2329
chorismate synthase, *Lycopersicon esculentum* 1804
chromatin, high mobility group proteins, mice 4589
chymotrypsin inhibitors, *Psophocarpus tetragonolobus* 3554
cinnamate 4-hydroxylase, *Vigna radiata* 1274
cinnamyl-alcohol dehydrogenase
Eucalyptus botryoides 5108
Eucalyptus gunnii 4538
Picea abies 1255
circadian rhythm
mice 4694
Pharbitis nil 1932
citrus exocortis viroid, *Lycopersicon esculentum* 4436, 4984
citrus greening, *Citrus* 133
clusterin, mice 2892
cold
Arabidopsis thaliana 2485, 5092
Brassica napus 3494
Hordeum vulgare 1805
cold resistance
Arabidopsis thaliana 5128
Medicago falcata 2969
Medicago sativa 1080, 5098
Triticum aestivum 1245
collagen
dogs 5089
fowls 680, 1232
mice 3958, 5070
colony stimulating factor, muscles, rats 4501
colour
Antirrhinum majus 6299
Petunia hybrida 2944
comparisons
algorithms, computer software 2972, 2975
computer software 2973
interpretation, computer software 4738
statistical analysis 3651
computer programming 1811
computer software 6751-6752
Oryza sativa 5949
conglutinin, cattle 1219, 3457
connexin, mice 3004
coproporphyrinogen oxidase
Glycine max 1267
mice 5590
Coronaviridae, porcine epidemic diarrhoea virus 54
corticoliberin, receptors, pituitary, mice 5080
4-coumarate-CoA ligase, *Glycine max* 1287
CpG islands, DNA methylation, mammals, reviews 5565
cruciferin, *Brassica napus* 6310
crystallins
eye lens, geese 3462
guineapigs 3943
mice 3943
cyclic-nucleotide phosphodiesterase, rats 5613
cyclins
fowls 3433
Trypanosoma brucei, mitosis 4977
cyclomaltodextrinase, *Bacillus sphaericus* 1297
cyclophilin
Arabidopsis thaliana 6287
binding proteins, mice 180

Nucleotide sequences *cont.*
cyclophilin *cont.*
Vicia faba 5664
cylicin, testes, cattle 2899
cyprosin, *Cynara cardunculus* 5100
cystatin
fowls 2985
rats 652
cysteine endopeptidase, *Zea mays* 6246
cysteine proteinase inhibitor, *Vigna unguiculata* 1254
cysteine proteinases
Actinidia deliciosa 1353
Arabidopsis thaliana 5448
Cicer arietinum 5630
Plasmodium vinckei 4426
cysteine-rich proteins, rats 1781
cysteine synthase
Citrullus lanatus 5673
Spinacia oleracea 731, 740
cytochrome *b*, fishes 2908
cytochrome *c*
Solanum tuberosum 228
Triticum aestivum 210
cytochrome monooxygenase, *Zea mays* 6282
cytochrome-*c* oxidase
cattle 4521
ducks 5600
cytochrome P-450
Catharanthus roseus 5116
Petunia hybrida 2964
cytochrome synthase, rats 4528
cytochromes
arachidonic acid epoxygenase, rats 5589
cattle 5571
guineapigs 760
kidneys, mice 5724
mice 760, 2337
Nicotiana tabacum 6312
nose, mucosa, rabbits 5602
Oryza sativa 6312
promoters, sheep 6222
rabbits 783
rats 802, 3541, 3945
Solanum melongena 6319
cytokines
rats 674
receptors, mice 701, 5761
cytoplasmic male sterility
Beta vulgaris 221, 5708
Oryza sativa 2927
Petunia hybrida 1247, 6298
Raphanus sativus 213, 3483
cytosine methyltransferase, *Arabidopsis thaliana* 208
2,4-D
cell division, *Nicotiana tabacum* 3023
G proteins, *Nicotiana tabacum* 3023
databases 749, 752, 1298, 6751-6752
computer software 240, 5326
reviews 6335
plants 6262, 6283, 6309
3-dehydroquinate synthase, *Lycopersicon esculentum* 1803
deletions, growth and reproduction complex, rats 3957
desiccation
Arabidopsis thaliana 5448
Lycopersicon esculentum 3268
desmoyokin, plasma membranes, mice 5046
development
Brassica oleracea 201
Hordeum vulgare 346
Lycopersicon esculentum 4569
Nicotiana tabacum 5699
Oryza sativa 860
Petunia hybrida 342
diazepam binding inhibitor, rats 5053
dihydrodipicolinate synthase
Arabidopsis thaliana 6325
Populus 6325
dihydrokaempferol 4-reductase, *Hordeum vulgare* 2465
DNA, replication, initiation, mice 5033
DNA binding proteins 5665
Agrobacterium tumefaciens 2380
Arabidopsis thaliana 224, 747, 1349, 5119, 5526

Nucleotide sequences *cont.*
DNA binding proteins *cont.*
Avena sativa 5120
cattle 2343
Lycopersicon esculentum 3488
Medicago sativa 230
mice 694, 784, 1958, 2343, 3964
muscles, rats 5621
mutations, mice 5496
Nicotiana tabacum 3497, 5812
Oryza sativa 4101
Petroselinum crispum 5526
Pharbitis nil 1932
Pisum sativum 6300
rats 188
Solanum tuberosum 6264
testes, mice 5719
Zea mays 5639, 6289
DNA photolyases, *Arabidopsis thaliana* 2345
DNA polymerase
African swine fever virus 2828
Secale cereale 2938
DNA primase, *Rickettsia prowazekii* 1149
DNA repair
proteins, mice 3980
recombination, fowls 5022
DNA topoisomerase
brain, rats 5762
cell lines 2340
mice 673, 3582
rats 2918
dodecenoyl-CoA Δ-isomerase, mice 1787
dopamine
receptors
mice 777
rats 4588
dormancy, *Hordeum vulgare* 4067
drought, *Arabidopsis thaliana* 5092
drought resistance
Lycopersicon chilense 3471
Lycopersicon esculentum 4539
drug resistance, gene expression, rats 765
dynamin, rats 259
dynein, rats 198
elicitors
Arabidopsis thaliana 5526
Petroselinum crispum 5526
elongation factors
Glycine max 5701
Hordeum vulgare 1252, 5695
mitochondria, rats 1763
Nicotiana sylvestris 2962
Oryza sativa 6290
embryogenesis, *Glycine max* 4546
embryology
Betula pendula 1280
Hordeum vulgare 6273
embryos, mice 683
endonucleases, rats 2925
endoplasmic reticulum, receptors, cattle 712
endoplasmic reticulum retention receptor, *Arabidopsis thaliana* 2952
endotoxins, promoters, *Bacillus thuringiensis* subsp. *israelensis* 3261
enteropeptidase, cattle 2327
enzymes
Erwinia carotovora subsp. *carotovora* 117
Vitis vinifera 5126
epidermal growth factor
receptors
mice 3431
mutations, abnormalities, hair, mice 3967
epidermis, *Antirrhinum majus* 6299
epoxide hydrolase
Arabidopsis thaliana 6279
liver, mice 5576
Solanum tuberosum 6313
Erysiphe graminis 1179
Erysiphe graminis f.sp. *hordei*, *Hordeum vulgare* 4002
ethylene
Arabidopsis thaliana 725
Vigna angularis 5655
evolution 4760, 6318, 6330
angiosperms 2367
Azorhizobium 173

Nucleotide sequences *cont.*
evolution *cont.*
Brachypodium distachyon 4714
Bradyrhizobium 173
Bromus inermis 4714
Crassulaceae 4711
Fagus 4548
Gnetum 1833
Nothofagus 4548
Oryza sativa 4714
plants 1833, 5648, 5683
Quercus petraea 4537
Quercus robur 4537
Rhizobium 173
Saxifragaceae 4711
Sorghum bicolor 4714
Triticeae 4714
Winteraceae 4566
exons
EF-hand
fowls 2912
laboratory mammals 2912
extensin, *Nicotiana tabacum* 1819
eye lens, proteins, cattle 665
far red light, *Arabidopsis thaliana* 281
fatty acids, binding proteins, intestines, pigs 5071
feline immunodeficiency virus 1146
cats 1145
ferredoxin-$NADP^+$ reductase, *Oryza sativa* 5622
ferritin
horses 4524
Vigna unguiculata 4573
ferrochelatase
Cucumis sativus 6292
Hordeum vulgare 6292
α-fetoprotein, rats 3504
fibrinogen
receptors
mice 2887
rats 2887
fibroblast growth factors
receptors
kidneys, rats 5154
mice 1300
rats 716
filamin, promoters, fowls 2316
flagella
Bordetella bronchiseptica 1139
proteins, *Serpulina hyodysenteriae* 67
flavin-containing monooxygenase, rabbits 177
flavonoid 3′,5′-hydroxylase, *Petunia hybrida* 2944
flavonoids
Solanum melongena 2376
Vitis vinifera 5126
flavonol synthase, *Petunia hybrida* 1808
flooding, *Oryza sativa* 1294
flowering
Arabidopsis thaliana 3486
Nicotiana tabacum 231
flowers
Antirrhinum majus 4650, 6299
Aranda 1817
Brassica oleracea 201
Lycopersicon esculentum 4018
Nicotiana tabacum 3482
Petunia hybrida 342
Solanum tuberosum 1802
Zea mays 1832
formate dehydrogenase, *Solanum tuberosum* 1246
β-fructofuranosidase
Daucus carota 6323
Lycopersicon esculentum 4563
Arabidopsis thaliana 5687
Daucus carota 329
Lycopersicon 726
fructokinase, *Solanum tuberosum* 742
fructose-bisphosphatase
Brassica napus 4559
cattle 1231
pigs 3427
fruits
Lycopersicon esculentum 5646
Malus pumila 4012
Fulvia fulva, *Lycopersicon esculentum* 99
functional regions, identification, computer software 2974

Nucleotide sequences *cont.*
G proteins
Arabidopsis thaliana 2476, 5093, 5132
brain, cattle 5608
fowls 1853
Glycine max 6256
Lycopersicon esculentum 4534
membrane transport, mice 5076
mice 5064, 5075
Oryza sativa 1264
Pisum sativum 4016, 5710
promoters, mice 5028
rabbits 5728
rats 245, 2321, 4596
receptors, tongue, rats 757
tongue, taste papillae, cattle 4513
Vicia faba 5681
galacturan 1,4-α-galacturonidase, *Zea mays* 720
gangliosides, activator proteins, mice 637
gastrin, binding proteins, pigs 2884
gefiltin, eyes, fishes 2896
gene expression, *Oryza sativa* 4545
genes
androgens, receptors, satellite DNA, dogs 3453
axial, fishes 266
cell elongation, *Candida albicans* 2824
developmental stages, *Trypanosoma brucei* 78
DNA repair, mice 190
embryonic development, mice 2890
excision repair, mice 2917
extracellular signal regulated kinase, mice 193
glycoproteins, pituitary, Japanese quails 3935
heat shock, *Erysipelothrix rhusiopathiae* 2381
high mobility group, mice 839
homeo box
embryos, fowls 699
fishes 3970
fowls 2990, 5167
heart, embryos, mice 254
mice 584, 1867, 2397-2398, 3514, 5026
muscles, cells, rats 2323
imprinting, mice 5147
mesenchyme fork head, mice 1860
morphogenesis
embryonic development, fowls 5753
mice 5725
muscles, pigs 6241
myogenic factor, cattle 3425
neurogenesis, rats 2336
Notch, mice 1307
octamer-binding protein, pigs 2342
osteoblast-specific factors, mice 708
pancreatitis-associated protein, mice 671
recombination, mice 190
retina, development, promoters, quails 2411
segment polarity, fishes 5739
sex determination, sex reversal, mice 6338
signal peptides, *Borrelia burgdorferi* 2826
tumour suppression
DNA, binding site, mice 842
fishes 2326
zinc finger
immunoglobulins, mitotic recombination, mice 1235
mice 646, 3424, 3985
testes, mice 4139
genetic tumours
Nicotiana glauca 6267
Nicotiana langsdorffii 6267
geranylgeranyl pyrophosphate synthase, *Arabidopsis thaliana* 5688
geranylgeranyl transferase, rats 633, 759
germin, *Hordeum vulgare* 5654
gibberellic acid, *Arabidopsis thaliana* 4555

Nucleotide sequences *cont.*
globins
enhancers
ducks 5614
fowls 5614
fishes 4526
silencers
ducks 5614
fowls 5614
transcription factors, mice 634
globulins, *Oryza sativa* 5114
glucagon-like peptide, receptors, introns, rats 2922
1,4-α-glucan branching enzyme
Solanum tuberosum 737
Zea mays 729
β-glucanase
Arabidopsis thaliana 3998
Avena sativa 2971
Brassica napus 1806
Lycopersicon esculentum 4984
Nicotiana tabacum 5628
Sambucus nigra 5698
Solanum tuberosum 3467
glucocorticoids
receptors
guineapigs 5153
strain differences, rats 663
glucosamine-6-phosphate deaminase, *Candida albicans* 2252
glucosaminyl *N*-deacetylase/*N*-sulfotransferase, mammary glands, mice 5036
glucose
transporters
mice 1934
neurons, rats 5748
glucose-dependent insulinotropic peptide, rats 3948
glucose-1-phosphate adenylyltransferase
Arabidopsis thaliana 3499
Solanum tuberosum 5668
Triticum aestivum 1238
glucose-6-phosphate dehydrogenase
mice 719
Solanum tuberosum 4001
glucose-6-phosphate isomerase
Arabidopsis thaliana 1836
Clarkia lewisii 1836
pseudogenes, pigs 1945
glucose transporter
pigs 5569
Saccharum 4532
β-glucosidase
Manihot esculenta 5653
Trifolium repens 5653
β-glucuronidase, mutations, mucopolysaccharidosis, mice 1155
glutamate, receptors, rats 2334
glutamate-ammonia ligase 333
Brassica napus 2959, 6307
Hordeum vulgare 1268
Zea mays 1352
glutamate 1-semialdehyde 2,1-aminomutase, *Arabidopsis thaliana* 4007
glutamate synthase
Hordeum vulgare 2347
Medicago sativa 227
glutamates, receptors, eyes, rats 686
glutamine tRNA reductase, *Arabidopsis thaliana* 4007
γ-glutamyltransferase, mice 5183
glutathione peroxidase, cattle 3439
glutathione reductase (NADPH), *Glycine max* 5696
glutathione transferase
fishes 679
mice 2885
glutenins, *Triticum aestivum* 232
glyceraldehyde-3-phosphate dehydrogenase
angiosperms 2367
Atriplex nummularia 5672
pseudogenes
mice 2894
rats 2894
quails 1234
glycinamide ribonucleotide transformylase, *Arabidopsis thaliana* 5685
glycine dehydrogenase (decarboxylating)
Flaveria pringlei 5659

Nucleotide sequences *cont.*
glycine dehydrogenase (decarboxylating) *cont.*
Solanum tuberosum 5660
glycine-rich proteins
Brassica napus 5198
Nicotiana tabacum 94
glycogen phosphorylase, promoters, rats 668
glycoproteins
antigens
mice 5607
rats 5607
bovine respiratory syncytial virus 70
brain
cattle 262
mice 262
rats 262
Brassica campestris 5709
central nervous system, mice 781
Daucus carota 1799
dystrophin, rabbits 2412
equine herpesvirus 60
feline herpesvirus 69
guineapigs 3989
immunoglobulins, dogs 4514
microfibrils, mice 2389
pancreas, rats 196
Solanum chacoense 6263
T lymphocytes, mice 6240
glycosylation inhibiting factor, mice 3442
GnRH
receptors
cattle 1776
mice 1782
rats 1782, 5174
granulocytes, colony stimulating factor, rats 2920
growth factors
liver cells, rats 3972, 5135
mice 175
rats 175
stem cell factor, fowls 3464
vascular epithelial, brain, rats 4583
growth regulators
Arabidopsis thaliana 2485
Triticum aestivum 2356
GTP cyclohydrolase, mice 2916
guanosine monophosphate, protein kinase, rats 5615
guanylate kinase, cattle 5040
gynoecium, *Hordeum vulgare* 5632
haemoglobin, *Hordeum vulgare* 5697
heat, *Lycopersicon peruvianum* 3269
heat shock, *Vicia faba* 5664
heat shock proteins
Anopheles albimanus 1202
Arabidopsis thaliana 6717
Catharanthus roseus 1282
cattle 6232
Helianthus annuus 6258
Hordeum vulgare 4015
major histocompatibility complex, pigs 4505
mice 194, 1209-1210, 1213, 2320
Oryza sativa 226
promoters, rats 3000
Spinacia oleracea 870, 5091, 6286
Triticum aestivum 1838, 2958
Zea mays 4543, 5640, 6105
heavy metals, *Arabidopsis thaliana* 5712
helicases, African swine fever virus 52
heme oxygenase, promoters, rats 3000
heme transporter, *Oenothera berteriana* 5124
heparitin sulfotransferase, mammary glands, mice 5036
hepsin, rats 3942
heptaubiquitin, *Lycopersicon esculentum* 5122
herbicide resistance, *Arabidopsis thaliana* 3498
Heterobasidion annosum 109
Heterobasidion araucariae 109
heteronuclear ribonucleoprotein complex, mice 666
high mobility group proteins, mice 3964
histamine
receptors
guineapigs 5048
rats 181

Nucleotide sequences *cont.*
histidine decarboxylase, *Lycopersicon esculentum* 1279
histones
crops 5631
Entamoeba histolytica 64
fishes 1768
Lycopersicon esculentum 5199
pseudogenes, rats 654
homeo box
Arabidopsis thaliana 281
Oryza sativa 860
homeotic genes
Arabidopsis thaliana 224
Glycine max 4546
Lycopersicon esculentum 4018
Nicotiana tabacum 3482
Zea mays 1832
homology, analytical methods 2910
hordein, *Hordeum vulgare* 1831
hormones, red pigment concentrating, crabs 4512
(*S*)-2-hydroxy-acid oxidase, *Cucurbita* 5703
hydroxymethylglutaryl-CoA reductase
Oryza sativa 6295
Triticum aestivum 202
3β-hydroxysteroid dehydrogenase, mice 3940
20α-hydroxysteroid dehydrogenase, rabbits 677
3β-hydroxysteroid dehydrogenase, rats 5609
hyoscyamine (6*S*)-dioxygenase, *Hyoscyamus niger* 6276
hypoxia, *Zea mays* 5121
imidazoleglycerol-phosphate dehydratase, *Arabidopsis thaliana* 6317
immunoglobulins
binding proteins, mice 684
fishes 176
mink 685
rats 3974
recombination, cell lines 182
sheep 648
somatic mutations, B lymphocytes, mice 3528
in vitro culture, *Nicotiana glauca* 6254
inhibin
cattle 3986
subunits, granulosa cells, fowls 5617
initiation factors
rats 840
Triticum aestivum 3489
injuries
Populus deltoides 1251
Populus trichocarpa 1251
inositol trisphosphate, receptors, rats 644
insulin
fishes 1777
receptors
adipocytes, mice 4509
rats 5586
transcription factors, pancreas, mice 5599
insulin-like growth factor
binding proteins
mice 678
rats 1793
dogs 2889
fishes 195, 3954
rats 2996
receptors, mice 3539
sheep 3446
integrins
cattle 5051
mice 2887, 2902
promoters, cell lines 2387
rats 2887
interferon
fishes 4525
placenta, pigs 5593
receptors, cattle 3966
interleukins
mice 1220, 1934
mutations, mice 789
pigs 5585
rats 3510
receptors, mice 2324, 2903, 3962
sheep 698

Nucleotide sequences *cont.*
interleukins *cont.*
T lymphocytes, activation, fowls 5587
introns
EF-hand
fowls 2904
laboratory mammals 2904
plants 6309
Zea mays 4624
involucrin
mice 2891
rats 2891
ion exchange
proteins
rabbits 834
rats 837, 5066
ions, channels, cyclic nucleotides, rabbits 1204
isocitrate dehydrogenase, mitochondria, cattle 670
isocitrate dehydrogenase (NAD), rats 5597
isotocin, fishes 1403
keratin
rabbits 5194
sheep 3449
3-ketoacyl-acyl carrier protein synthase III, *Spinacia oleracea* 3495
kininogens
liver, rats 5580
promoters, rats 2388
lactalbumin, cattle 643
lactate dehydrogenase, *Oryza sativa* 734
Lactococcus lactis, ribosomal RNA 1295
lactoglobulins, goats 2322
lactose, *Lactococcus lactis* 1299
laminins
receptors
Arabidopsis thaliana 2928
mice 5570
leaves
Lycopersicon esculentum 2361
Malus pumila 1382
Nicotiana tabacum 2361
Solanum tuberosum 2361
lectins
Allium ascalonicum 1249
Allium cepa 1249
Allium porrum 1249
Artocarpus integer 2970
Clivia miniata 5101
Cucurbita maxima 206
fowls 3047
Pisum sativum 2956, 3479, 6300
leghaemoglobin, *Sesbania rostrata* 1383
legislation, USA 3283
legumin, *Vicia faba* 5647
leucine zipper, *Arabidopsis thaliana* 281
LH
fowls, reviews 1774
Japanese quails 3935
quails, reviews 1774
receptors, promoters, rats 5148
LHRH, receptors, pigs 5618
light 3556
Arabidopsis thaliana 5831
Pharbitis nil 1932
Solanum melongena 2376
Solanum tuberosum 1365
Triticum aestivum 1245
Vicia faba 5664
Vitis vinifera 5126
Lilium longiflorum 6398
linamarase
Manihot esculenta 5653
Trifolium repens 5653
lipid transfer proteins
Hordeum vulgare 1822
Pachyphytum 2935
Vigna unguiculata 6281
lipids, binding proteins, rats 658
lipoprotein lipase, sheep 1207
lipoxygenase
Arabidopsis thaliana 3468
Phaseolus vulgaris 2442
Solanum tuberosum 6268
lithostatine, pancreas, rats 4506
low density lipoprotein, receptors, mice 1772
lymphocystis virus, fishes 81

Nucleotide sequences *cont.*
lymphokines, mice 3442
lysozyme
Nicotiana tabacum 4021
trachea, cattle 2339
macroglobulins, receptors, mice 3965
macrophages, colony stimulating factor, rats 2920
macrosialin, mice 184
major histocompatibility complex 2508
arctic foxes 6244
cattle 662, 887, 2893, 4065
enhancers, cattle 3946
fishes 1229
fowls 706, 1783, 5573
haplotypes, horses 1230
horses 3944, 6224
mice 3976
mutations, mice 1218
pigs 1771, 6243
rats 191, 1773, 2335, 3957, 3988
recombination, mice 1784
sheep 656
strain differences, mice 1790
malate dehydrogenase, *Oryza sativa* 5642
malate dehydrogenase ($NADP^+$), *Mesembryanthemum crystallinum* 4533
malignant catarrhal fever virus, polymerase chain reaction, sheep 411
Malus 3997
mammary gland factor, sheep 3987
α-mannosidase
mice 5047, 5056
rabbits 5056
Marek's disease virus 85
mathematics 4200, 4206, 4214-4215, 6318
plants 3994
mating types
Cochliobolus heterostrophus 131
Ustilago segetum 1161
Ustilago zeae 1161
maturase, *Zea mays* 5705
mechanical damage, *Bryonia cretica* 1801
meiosis, *Triticum aestivum* 4542
Meloidogyne incognita, Lycopersicon esculentum 6248
membrane alanyl aminopeptidase, rabbits 5619
membrane proteins 3556
Antirrhinum majus 727
Arabidopsis thaliana 223, 1288, 4555
cell lines, proliferation, mice 2330
equine herpesvirus 1153
Lycopersicon esculentum 4539
Plasmodium berghei 77
promoters
Borrelia afzelii 3883
Borrelia burgdorferi 3883
Borrelia garinii 3883
Saccharum 2932
spermatozoa, rats 687
Spinacia oleracea 5638
Theileria sergenti 3884
meprin, mice 5575
metalloproteinases, mice 6231
metallothionein, *Arabidopsis thaliana* 5712
methylmalonyl-CoA mutase, mice 5083
methyltransferases
Arabidopsis thaliana 5123
Zea mays 851
microglobulins
cattle 1766
fishes 653, 688
horses 1767
pigs 1223
precursors, mice 4502
microphthalmia
mice 34
transgenics, mice 5496
microtubules, proteins, mice 835
migration inhibitory factor, macrophages, rats 4581
milk proteins, reviews 3969
minisatellites, fishes 639
mitochondrial DNA
Anopheles gambiae 1201
binding proteins, rats 713
fishes 3436, 4503

Nucleotide sequences *cont.*
mitochondrial DNA *cont.*
milk yield, cattle 3452
mutations, mice 3443
reproduction, cattle 3452
mitochondrial genetics
adenosinetriphosphatase, *Pisum sativum* 1835
Secale cereale 1248
Triticum aestivum 1248
mitochondrial processing peptidase, rats 187
mitogen-activated protein kinase, *Nicotiana tabacum* 1289
monooxygenases, liver, rats 4044
monophenol monooxygenase, mutations, pigmentation, mice 4971
monosaccharide transporters, *Nicotiana tabacum* 741
mucins
dogs 714
rats 5079
mutations
phosphoric monoester hydrolases, haematopoiesis, mice 3538
thyrotropin, receptors, hypothyroidism, mice 4494
mycotoxins, trichothecenes, *Fusarium sporotrichioides* 2261
myelin basic protein, embryos, mice 3522
myosins
cattle 5086
DNA binding proteins, mice 1865
rats 5603
NAD^+ ADP-ribosyltransferase, fishes 3973
NADH dehydrogenase
Brassica campestris 736
Zea mays 5705
NADH dehydrogenase (ubiquinone)
Beta vulgaris 2364
Triticum aestivum 5625
Zea mays 5117
NADPH:isoflavone oxidoreductase, *Cicer arietinum* 4022
naringenin-chalcone synthase
Glycine max 200
Medicago sativa 5017
naringenin 3-dioxygenase, *Malus* 2937
neurofibromatosis, mice 5044
neurotransmitters, transporters, cattle 5157, 6233
nicotine, *Nicotiana tabacum* 5649
nitrate reductase
Petunia hybrida 4562
Pinus sylvestris 6294
nitrates, *Arabidopsis thaliana* 3498
nitric-oxide synthase, liver cells, rats 1791
nitrite reductase, *Alcaligenes faecalis* 2713
nitrogen fixation
Azospirillum brasilense 174
Azotobacter vinelandii 204
nodulation 333
Glycine max 205, 730
Medicago sativa 5017
Vigna aconitifolia 3423
nodulins
Medicago sativa 1815
Medicago truncatula 5130
Pisum sativum 2362
Vicia faba 3484-3485
nopaline, *Agrobacterium tumefaciens* 2380
nucleolus organizer, *Crepis capillaris* 732
nucleoproteins
cartilage, rats 5088
fowls 647
tospoviruses 1706
nucleoside-diphosphate kinase
Oryza sativa 2379
Pisum sativum 5103
nucleoside diphosphate kinase II, *Spinacia oleracea* 1841
5′-nucleotidase, cattle 707
nutrients, *Arabidopsis thaliana* 3498
oestrogen receptors, fishes 692

Nucleotide sequences *cont.*
oleosins
Brassica napus 3558
Hordeum vulgare 4067
2′-5′ oligoadenylate synthetase, rats 129
opioid peptides
receptors
brain, mice 1846
guineapigs 5084
mice 197
rats 806, 3460, 3511, 3525
opioids, receptors, rats 3441
organelles, plants 6327
ornithine-oxo-acid transaminase, rats 700
orotate phosphoribosyltransferase, *Arabidopsis thaliana* 5671
orotidine-5′-phosphate decarboxylase, *Arabidopsis thaliana* 5671
Oryza sativa 5666
osteopontin, mice 636
ova, mice 683
oviducts, glycoproteins, cattle 3979
oxidosqualene cyclase, *Candida albicans* 3886
pancreas islets, regeneration, rats 5616
pancreatic polypeptide, fowls 2913
paraquat, detoxification, plasmids, *Pseudomonas* 2712
parathyrin, receptors, mice 5062
patents
legislation 6736
USA 3283
pathogenesis-related proteins 1179
Amaranthus caudatus 92
Arabidopsis thaliana 5522, 5526
Beta vulgaris 5529
Hordeum vulgare 6250
Lycopersicon esculentum 99, 739, 4436
Nicotiana tabacum 300, 4431
Oryza sativa 6295
Petroselinum crispum 5526
patterns, detection, algorithms, computer software 2976
pectinesterase
Lycopersicon esculentum 5646
Petunia inflata 6293
peptidases, mitochondrial DNA, liver, rats 3447
peptides, antibacterial agents, bone marrow cells, pigs 5072
peroxidases
Arabidopsis thaliana 5110
Gossypium hirsutum 4558
Linum usitatissimum 4553
Lycopersicon esculentum 2931, 5626
Oryza sativa 5111
peroxisomes, proliferators, receptors, mice 2344
phagocyte oxidase, mice 3953
phenylalanine ammonia-lyase 5669
Oryza sativa 1273
pheromones, *Cryptococcus neoformans* 1701
phloem, *Cucurbita pepo* 3501
phosphate
binding proteins, mitochondria, cattle 5035
transporters, rats 6344
phosphatidylcholine desaturase, *Arabidopsis thaliana* 3491
phosphatidylethanolamine *N*-methyltransferase, rats 5572
phosphoenolpyruvate carboxylase
Glycine max 4023
Solanum tuberosum 1820
phosphofructokinase, cattle 1231
phosphoglycerate kinase, *Spinacia oleracea* 4531
phosphoglycerate mutase
Nicotiana tabacum 2360
Ricinus communis 2360
phospholipase C
brain, rats 5592
rats 185, 4511, 4584
phosphoprotein phosphatase
Arabidopsis thaliana 5115, 5118
Medicago sativa 6301
rats 786
phosphoproteins, insulin-stimulated, rats 5049

Nucleotide sequences *cont.*
phosphopyruvate hydratase
Candida albicans 2829
Ricinus communis 6249
phosphoribosylamine-glycine ligase, *Arabidopsis thaliana* 5685
phosphoribosylformylglycinamidine cyclo-ligase, *Arabidopsis thaliana* 222
phosphoric monoester hydrolases, *Pisum sativum* 4536
phosphorylase kinase, deficiency, mutations, mice 4519
phosphotyrosyl phosphatase, fowls 1225
photolyases, *Sinapis alba* 722
photosynthesis, *Lycopersicon esculentum* 4000
photosystem I
Nicotiana sylvestris 234
Pisum sativum 4550
Solanum tuberosum 1365
Sorghum bicolor 209
photosystem II
Arabidopsis thaliana 4541
Mesembryanthemum crystallinum 6266
Nicotiana tabacum 3502
phytochrome
Arabidopsis thaliana 6257
Nicotiana tabacum 2948
Oryza sativa 4101
phytochrome A, *Arabidopsis thaliana* 728
phytoene desaturase
Arabidopsis thaliana 4564
Lycopersicon esculentum 4547
phytoene synthase, *Arabidopsis thaliana* 5689
Phytophthora megasperma
Glycine max 1287
Nicotiana tabacum 94
plant embryos
Betula pendula 1280
Helianthus annuus 6258
Hordeum vulgare 6273
Oryza sativa 5106
Triticum aestivum 2356
plant hairs, *Arabidopsis thaliana* 3477, 6303
plant water relations, *Arabidopsis thaliana* 6275
plasma membranes
Arabidopsis thaliana 6275
proteins, mice 1214
plasmids
Agrobacterium rhizogenes 122
Agrobacterium tumefaciens 122
Zea luxurians 2943
plasminogen activator
cattle 675
DNA binding proteins, pigs 804
promoters, pigs 2907
receptors
cattle 675
rats 6237
Plasmodium berghei 82
Plasmodium vivax 4429
platelet-derived growth factor, rats 3947
pollen
Brassica napus 3493
Nicotiana alata 2679
Nicotiana tabacum 5699
Petunia inflata 5667, 6293
Tradescantia paludosa 6321
Zea mays 2377, 6322
polygalacturonase
Actinidia deliciosa 3466
Brassica napus 3493
Gibberella zeae 97
Nicotiana tabacum 5699
Persea americana 2951
Prunus persica 6284
Zea mays 1884
polymorphism, statistical analysis 4523
polypeptide *N*-acetylgalactosaminyltransferase, cattle 5578, 5581
polypeptides
blood vessels, smooth muscle, rabbits 248
ribonucleoproteins, rats 5037
polyubiquitin, *Zea mays* 5662

Nucleotide sequences *cont.*
porcine reproductive and respiratory syndrome, Lelystad virus 74
potassium
channels
brain, rats 2905
heart, rats 2905, 3430, 6223
kidneys, rabbits 5032
mice 2883, 5025, 5082
rabbits 6234
smooth muscle, colon, dogs 5045
preprotachykinin
rabbits 5058
rats 4504
prion protein, scrapie, sheep 901
probasin, promoters, rats 691
profilins, *Zea mays* 743
progesterone, receptors, promoters, rats 3960
prohibitin, testes, rats 5029
prolactin
fishes 6229
receptors, cattle 5034
prolamins, *Oryza sativa* 225, 6333
proline-rich proteins
Brassica napus 3472
Medicago truncatula 6329
promoters
bone morphogenetic protein, mice 2906
Petunia hybrida 733
proprotein convertases
mice 189
rats 189
prostacyclin, receptors, mice 5067
prostaglandin-endoperoxide synthase, rats 825
prostaglandins
receptors
cattle 3523
rats 4594
proteasomes
mice 1236
rats 3444, 5069
protein-glutamine γ-glutamyltransferase, promoters, guineapigs 4522
protein kinase
Arabidopsis thaliana 1288, 2369, 2929
embryonic stem cells, mice 642
fowls 705
Glycine max 1253
haem, rats 5063
inhibitors, mice 821
Lycopersicon esculentum 2957
mice 5077
Oryza sativa 5113
rats 1765, 5061
receptors, fowls 3445
protein synthesis
elongation factors
cell lines 798
rats 798
protein-tyrosine--hosphatase, rats 5601
protein-tyrosine kinase
mice 5030
rats 4582
receptors
ligands, mice 5043
mice 5059
protein-tyrosine-phosphatase
mice 6239
mutations, mice 5867
rats 6239
proteinase inhibitors
Glycine max 203
Lycopersicon esculentum 2375, 5711
Nicotiana tabacum 5641
rats 2914
Sagittaria sagittifolia 1292
Solanum tuberosum 723, 1837
Zea mays 6261
proteinases
Arabidopsis thaliana 2374
Candida albicans, virulence 3888
Carica papaya 1827
Cynara cardunculus 5100
mice 1779
proteins
cerebellum, rats 5078
oligomycin sensitivity, rats 4507

Nucleotide sequences *cont.*
proteins *cont.*
oocytes, zona pellucida, pigs 4527
phosphotyrosine, adipocytes, mice 4509
prostate, rats 2396
recombination, fowls 641
ribosomes, mice 703
sex chromosomes, meiosis, spermatogenesis, mice 3506
stress, mice 5596
transcription, induction, mice 5090
translocation complex, endoplasmic reticulum, dogs 2898
vesicular gland, mice 5087
Vicia faba 1256
proteoglycans
cattle 3983
cornea, cattle 659
mice 669
prothrombin, fowls 4500
proto-oncogenes
cell lines, mice 2425
fowls 1226
promoters, mice 1792
receptors, ligands, mice 6236
protochlorophyllide reductase, *Ginkgo biloba* 6304
protoplasts, *Nicotiana tabacum* 318
pseudogenes
Arabidopsis thaliana 724
Eruca vesicaria 4565
Glycine max 1244
Helianthus annuus 1794
mice 1209
rats 5053
Pseudomonas syringae pv. *tomato*, *Lycopersicon esculentum* 2957
purine-nucleoside phosphorylase, mice 1775
purines, *Arabidopsis thaliana* 222
puroindolines, *Triticum aestivum* 5104
putrescine *N*-methyltransferase, *Nicotiana tabacum* 5649
pyrroline-5-carboxylate reductase, *Arabidopsis thaliana* 2723
pyruvate kinase, *Glycine max* 2954
quinone reductase
guineapigs 3943
mice 3943
receptor-like protein kinases, *Petunia inflata* 5667
receptors, adrenergic, mice 2888
recombination
activation, rabbits 660
Arabidopsis thaliana 2930
Petunia hybrida 1247
statistical analysis 2923
relaxin, sheep 1224
repetitive DNA
Arabidopsis thaliana 6554
Bacillus thuringiensis subsp. *darmstadiensis* 4895
Beta 4019
Crepis capillaris 732
Echinococcus granulosus 72
Elymus elongatus 4700
Eruca vesicaria 5661
fishes 5041
mice 876
mitochondrial, pigs 3434
Nicotiana plumbaginifolia 1266, 3992
Nicotiana tabacum 235
Oryza officinalis 2005
Oryza sativa 1839, 1842, 3490
plants 5314
species differences, fishes 1789
Triticum aestivum 4700
Vicia 2953
Vicia sativa 2953
Vitis 6584
X chromosome, hamsters 2536
Y chromosome, mice 5598
Zea mays 2346
reporter genes, plants 6262
retina, proteins, cattle 5579
retinal atrophy, cats 1211
retinoids, receptors, mice 1309
retinol, binding proteins, intestines, pigs 5071
Retroviridae, receptors, rats 2333

Nucleotide sequences *cont.*
reviews, plants 6262, 6309
rhamnosyltransferases, *Petunia hybrida* 2349, 2363
Rhizobium, Vigna unguiculata 6281
riboflavin, binding proteins, mutations, fowls 2331
ribonucleases
Arabidopsis thaliana 2963
cattle 3429
Lycopersicon peruvianum 6306
Nicotiana alata 2679
ribonucleoside-diphosphate reductase, mice 2318
ribosomal DNA
Ameson michaelis 1705
Astragalus 2378
Brachypodium distachyon 4714
Brassica campestris 1830
Bromus inermis 4714
Calycadenia 1240
Ehrlichia risticii, dogs 2827
Epilobium 6247
Eruca vesicaria 4565, 5661
Ginkgo biloba 5099
Gnetum 1833
Mimulus guttatus 2961
Nitrobacteraceae 2882
Oenothera berteriana 5096
Oryza sativa 1797, 4714
Osmadenia tenella 1240
Pinus luchuensis 5099
plants 1833, 5683
Podocarpus nakaii 5099
Secale cereale 1248
Sorghum bicolor 4714
Taxus mairei 5099
Theileria parva 4222
Triticeae 4714
Triticum aestivum 1248
Winteraceae 4566
ribosomal RNA
Azorhizobium 173
Bradyrhizobium 173
Nicotiana plumbaginifolia 1263
Osmunda regalis 1271
parasites, detection, reviews 4210
Rhizobium 173
ribosomes 746
Arabidopsis thaliana 214, 724, 2946
fowls 4516
mice 2900, 3009
Nicotiana tabacum 3999
Oryza sativa 1265, 2949, 6271
Petunia hybrida 1284
proteins
fowls 3968, 3990
mice 3990, 5612
rats 3939
rats 3428
Secale cereale 5684
Solanum tuberosum 3478
Spinacia oleracea 2365
Triticum aestivum 210
ribulose-bisphosphate carboxylase
Adiantum capillus-veneris 5105
angiosperms 1795, 1826
Asteridae 1824
Botrypus strictus 5105
Bromeliaceae 3993
Castanea sativa 1800
Commelinaceae 3993
Compositae 1821
Cornus 1840
Cupressaceae 4540
Empetraceae 1813
Epacridaceae 1813
Ericaceae 1813
Fagus 4548
fatty oil plants 1828
Geraniaceae 1825
Hevea brasiliensis 2355
Malus pumila 5624
monocotyledons 1798
Nothofagus 4548
Onagraceae 1796
Oryza sativa 858
Osmunda cinnamomea 5105
plants 5683
Pteris vittata 4535
Saxifragaceae 1823

Nucleotide sequences *cont.*
ribulose-bisphosphate carboxylase *cont.*
Zingiberaceae 3993
Zingiberales 1834
ribulose-bisphosphate carboxylase activase
Malus pumila 1382
Nicotiana tabacum 219
Rieske FeS protein, *Solanum tuberosum* 5634
ripening
Lycopersicon esculentum 1278-1279, 2471, 3268, 4539, 4563
Persea americana 2951
Prunus persica 6284
RNA
Arabidopsis thaliana 5691
beet cryptic III alphacryptovirus 3383
binding proteins, genes, agouti, mice 805
cucumber necrosis necrovirus 3360
RNA binding proteins
Arabidopsis thaliana 274, 1260
Nicotiana sylvestris 1262
Sinapis alba 5107
RNA helicase
mice 2328
Nicotiana sylvestris 3480
RNA polymerase
Andean potato mottle comovirus 112
beet cryptic III alphacryptovirus 3383
Gramineae 3474
roots, *Lycopersicon esculentum* 4569
Rous sarcoma virus, receptors, quails 2317
salicylic acid binding protein, *Nicotiana tabacum* 3016
salinity
Arabidopsis thaliana 2723
Hordeum vulgare 5654
Lycopersicon esculentum 5626, 5635
Medicago sativa 230
saporin, *Saponaria officinalis* 3012
satellite DNA
Arabidopsis thaliana 6554
Beta 4019
fishes 1228
horses 3617
seeds, *Oryza sativa* 5113
selectable markers, plants 6262
selectins
binding proteins, mice 5172
cattle 2921
self incompatibility
Brassica alboglabra 2681
Brassica campestris 5709
Brassica napus 2682
Daucus carota 1799
Lycopersicon peruvianum 6306
Nicotiana alata 2679
Solanum chacoense 4889, 6263
seminal vesicles, proteins, mice 717
seminalplasmin, vesicular gland, cattle 3961
senescence
Arabidopsis thaliana 2963
Brassica napus 6251
serine phosphatase, *Arabidopsis thaliana* 3492
serine proteinase
inhibitors, fowls 241
rats 3942
serotonin
receptors
brain, rats 3977
mice 2909
rats 1870, 2407, 2911, 5073, 5757
serpin, *Hordeum vulgare* 1281
sex determination
cattle 689
goats 689
promoters, mice 4515
sheep 689
shedding, *Brassica napus* 3472-3473
sialoproteins, bones, mice 4696
sialyltransferases
mice 5057
rats 681, 5057
siderophores, *Ustilago zeae* 1177
signal recognition protein, *Arabidopsis thaliana* 3487

Nucleotide sequences *cont.*
small nuclear RNA
Lycopersicon esculentum 6316
mice 638
plants, reviews 5125
sodium
channels
brain, rats 5577
Ctenocephalides felis, cats 2254
transporters, rats 258
somatic embryogenesis, *Daucus carota* 4017
somatostatin, DNA binding proteins, rats 2997
somatotropin
fishes 640, 3941, 5435, 5582
receptors, mutations, dwarfism, fowls 1304
source sink relations, *Nicotiana tabacum* 741
species differences, mollusca 1404
spectrins, dogs 711
spermatogenesis, protein kinase, testes, mice 5192
spermatozoa
proteins
Mollusca 693
rats 5584
splicing, *Lycopersicon esculentum* 4547
sporulation, genes, *Coxiella burnetii* 1151
starch, *Solanum tuberosum* 5668
starch synthase
Manihot esculenta 2372
Oryza 2968
Oryza sativa 1239, 2968
statistical analysis 6330
comparisons 5349
DNA libraries, contamination, detection 755
stearoyl-CoA desaturase
Arabidopsis thaliana 1293, 6297
Brassica napus 1293, 6272
Glycine max 1293, 6272
Ricinus communis 6288
stem cell factor, pigs 3463
sterol esterase, rabbits 649
stilbenes, *Vitis vinifera* 5126
storage proteins, *Populus deltoides* 2936
strain differences, porcine adenovirus 1147
streptomycin resistance, *Nicotiana plumbaginifolia* 1263
stress
Elymus elongatus 4004, 5645
Oryza sativa 4545
Pisum sativum 6253
proteins, macrophages, mice 5734
sucrose-phosphate synthase, *Spinacia oleracea* 220, 1812, 4020
sucrose synthase
Hordeum vulgare 1269
Lycopersicon esculentum 4570
Vicia faba 3484
Zea mays 5109
sucrose transporter
Arabidopsis thaliana 5682
Solanum tuberosum 2371
sulfate, transporters, rats 258
sulfate adenylyltransferase
Arabidopsis thaliana 6285
Solanum tuberosum 5657
superoxide dismutase
Hevea brasiliensis 1272
Ipomoea batatas 1814
mice 1934
Oryza sativa 4561
Zea mays 5713
surfactants, lungs, receptors, pigs 5611
symbiosis, *Rhizobium* 5018
synaptonemal complex, testes, rats 3438
syndecan, mice 5763
syntaxins, nervous system, rats 5567
T lymphocytes
antigens, sheep 1208
receptors
dogs 3975
mice 3956, 3963, 3978, 3981
mitotic recombination, mice 3432
rabbits 3952
rats 3982, 3984
taxonomy 1843, 4760

Nucleotide sequences *cont.*
taxonomy *cont.*
angiosperms 1795, 1826
Asteridae 1824
Bromeliaceae 3993
Ceratocystiopsis 105
Commelinaceae 3993
Compositae 1821
Cornus 1840
Cupressaceae 4540
Empetraceae 1813
Epacridaceae 1813
Epilobium 6247
Ericaceae 1813
fatty oil plants 1828
Geraniaceae 1825
Mimulus guttatus 2961
monocotyledons 1798
Onagraceae 1796
Saxifragaceae 1823
tospoviruses 1706
Zingiberaceae 3993
Zingiberales 1834
techniques 954, 1641, 2977, 4760
polymerase chain reaction 953
Vitis 6584
telomeres, reviews 5678
thioglucosidase
Arabidopsis thaliana 2933
Brassica campestris 2955
Brassica napus 1286
thiol protease, *Arabidopsis thaliana* 5704
thioltransferase, *Oryza sativa* 6291
thioneins, *Hordeum vulgare* 5637
thioredoxin, sheep 6230
threonine phosphatase, *Arabidopsis thaliana* 3492
thrombomodulin, promoters, mice 3971
thrombopoietin, mice 6236
thromboxane-A synthase, mice 4598
thymidine kinase, mutations, equine herpesvirus 58
thymidylate synthase, introns, mice 5156
tobacco mosaic tobamovirus, *Nicotiana tabacum* 4008, 4021
α-tocopherol, transport protein, rats 5606
toxins
Actinobacillus pleuropneumoniae 1142
Bacillus thuringiensis 1296
genes, cryptic, *Bacillus thuringiensis* 3950
transcription, initiation, cell lines 1761
transcription factors
Arabidopsis thaliana 3477, 5119
fishes 1780, 3537
gene expression, inhibitors, cell lines, pigs 803
genes, zinc finger, mice 5566
heat shock, fowls 5749
kidneys, rats 3461
Lycopersicon peruvianum 3269
metallothionein, mice 3008
mice 186, 704, 814, 3002, 3006, 5042
muscles, mice 2332
olfactory neuronal, rats 5081
pituitary, fishes 3010
promoters, liver, rats 5158
rats 697
sheep 3987
Solanum tuberosum 6264
Sorghum bicolor 4557
T lymphocytes, mice 682
testes, mice 830
thymus, mice 1769
transfer RNA 746
databases 754
deer 650
Helianthus annuus 1794, 6255
mitochondria, cattle 2924
Nicotiana rustica 5700
Nicotiana tabacum 235
Oenothera berteriana 2348, 5772
Phaseolus vulgaris 6252
Pinus thunbergii 6320
Quercus petraea 4537
Quercus robur 4537
Solanum tuberosum 215
transferrin
Blaberus discoidalis 1215

Nucleotide sequences *cont.*
transferrin *cont.*
horses 3937
polymorphism 5021
transforming growth factor
mice 5257
pigs 5191
receptors, rats 1788
translocation, *Solanum tuberosum* 2371
transposable elements
Caenorhabditis elegans 1174
Chironomus riparius 1205
Culex pipiens 1200
Gossypium 2965
mammals 702
Nicotiana plumbaginifolia 1266, 2368
Nicotiana tabacum 1243, 1285
Oryza 2968
Oryza sativa 2968, 6368
plants 5878, 6309
Zea mays 5651, 6322
triacylglycerol lipase
dogs 780
pancreas
guineapigs 6225
rabbits 3437
tricarboxylate transport protein, mitochondria, rats 5588
trichohyalin, sheep 776
triose-phosphate isomerase
Arabidopsis thaliana 5690
Oryza sativa 233
Schistosoma mansoni 79
triose-phosphate translocator
Flaveria pringlei 2940
Flaveria trinervia 2940
Nicotiana tabacum 4011
Zea mays 2940
tropinone reductase, *Datura stramonium* 5670
tropinone reductases, *Hyoscyamus niger* 4551
troponin
rabbits 1302
rats 1302
tryosine decarboxylase, *Petroselinum crispum* 4544
Trypanosoma cruzi 53
trypsin, *Aedes aegypti* 1216
trypsin inhibitors, *Acacia confusa* 1810
tryptophan, *Arabidopsis thaliana* 862
tubulin
Babesia bovis 57
Zea mays 1829, 2354
tubulin-tyrosine ligase, pigs 655
β-tubulin, *Zea mays* 3500
γ-tubulin, *Arabidopsis thaliana* 4013
tumour necrosis factor
mutations, mice 789
pigs 261
restriction fragment length polymorphism, mice 5568
turkey herpesvirus 86
turnip yellow mosaic tymovirus 130
tyrosine kinase
fowls 1316
receptors
cattle 1863
fowls 1226
haematopoiesis, mice 5050
ligands, mice 2330
mice 1863
ubiquitin
Arabidopsis thaliana 4567, 6269
cattle 715
Glycine max 5707
Solanum tuberosum 3478
Zea mays 5663
ubiquitin carrier protein, *Medicago sativa* 738
ubiquitin conjugating enzyme
Arabidopsis thaliana 1241
Lycopersicon esculentum 4556
ubiquitin-like protein, mice 5055
UDP-*N*-acetylglucosamine-dolichyl-phosphate *N*-acetyl-glucosaminephosphotransferase, promoters, mice 5177
β-ureidoproprionase, rats 676
uridine monophosphate synthase, cattle 695

Nucleotide sequences *cont.*
UTP-hexose-1-phosphate uridylyltransferase, rats 667
utrophin, mice 1770
vasotocin, fishes 1403
vimentin, silencers, fowls 3512
viral proteins
African swine fever virus 1140
Omsk haemorrhagic fever virus, mice 3881
tickborne encephalitis virus, sheep 3887
virulence
Fulvia fulva 4433
Xanthomonas campestris pv. *vesicatoria, Lycopersicon esculentum* 93
viruses, *Ustilago zeae* 128
vivipary, *Oryza sativa* 5106
water, transporters, kidneys, rats 718
water balance, *Arabidopsis thaliana* 223
wounding
Nicotiana tabacum 5641
Vigna angularis 5655
X chromosome, fragility, mice 3936
Xanthomonas campestris, Arabidopsis thaliana 5522
xylan endo-1,3-β-xylosidase, *Bacillus* 2714
xyloglucan transferase, plants, reviews 4552
Zea diploperennis 2941
Zea luxurians 2941
Zea mays 2941, 5636
zein, *Zea mays* 5651, 6246
Zinnia elegans 2353
zona pellucida, homologues, fishes 5594
zucchini yellow mosaic potyvirus 135
Nucleotides
detection, lasers, DNA sequencing, fluorescent dyes, flow cytometry, techniques 4746
Zea mays 5210
Nutrient transport
gene expression
Arabidopsis thaliana 335
Spinacia oleracea 335
molecular genetics
Arabidopsis thaliana 335
Spinacia oleracea 335
Nutrients
gene expression, *Arabidopsis thaliana* 3498
nucleotide sequences, *Arabidopsis thaliana* 3498
utilization
lactation, somatotropin, cattle 1600
somatotropin, injection, cattle 5433
Nutrition
plants, genetic engineering, reviews 4908
pregnancy rate, embryo transfer, goats 4791
research, transgenics, animals, reviews 5511
Nutritive value
gene expression
Lupinus 4976
Medicago sativa 4976
Pisum sativum 4976
Trifolium subterraneum 4976
genetic engineering
crops 5516
grain legumes 3778
genetic transformation
Lupinus 4976
Medicago sativa 4976
Pisum sativum 4976
Trifolium subterraneum 4976
somaclonal variation, *Solanum tuberosum* 5009
Nymphaea, tissue culture 4283
Obesity
brown fat, deficiency, transgenics, mice 3333
gene mapping
microsatellites, mice 1390
restriction fragment length polymorphism, mice 1390
toxins, diphtheria, gene expression, adipocytes, transgenics, mice 44

Ocotea catarinensis, embryo culture, regeneration 4275
1-Octen-3-ol
biotransformation, *Pleurotus pulmonarius* 6203
tissue culture, *Pleurotus pulmonarius* 6203
Odontoglossum ringspot tobamovirus, ELISA, Orchidaceae 434
Odours, receptors, olfactory organs, RNA hybridization, rats 268
Oenothera
mitochondrial genetics, NADH dehydrogenase 4622
RNA editing
mitochondrial genetics 5842
NADH dehydrogenase 4622
Oenothera berteriana
mitochondrial genetics
ribosomal DNA 5096
transfer RNA 2348, 5772
nucleotide sequences
chloroplast genetics 1275
heme transporter 5124
ribosomal DNA 5096
transfer RNA 2348, 5772
RNA editing
heme transporter 5124
transfer RNA 5772
Oenothera odorata, nucleotide sequences, chloroplast genetics 1275
Oestrogen receptors
gene expression, rats 826
mutagenesis, gene expression, mice 772
nucleotide sequences, fishes 692
RNA, alternative splicing, rats 826
Oestrogens
antagonists, genes, oestrogen-responsive, reporter genes, cell lines 1453
embryos, *in vitro* development, cattle 1582
gene expression, cell lines 2400
genes, activation, mammals, reviews 4042
in blood, pregnancy diagnosis, deer 530
oestrus, synchronization, cattle 2674, 3244
oocytes
in vitro fertilization
cattle 1582
sheep 5411
in vitro maturation
cattle 1582
horses 3239
pigs 2131
sheep 5411
progesterone, receptors, promoters, gene expression, rats 3960
receptors
gene expression, embryonic development, mice 1852
lactoferrin, transcription, DNA binding proteins, mice 3521
targeted mutagenesis
embryonic stem cells
fertility, mice 2290
genitalia, development, mice 2290
sex reversal, embryos, fishes 5426
Oestrous cycle
asynchrony, embryo transfer, embryos, *in vivo* development, mice 1519
chimaeras, sheep, goats 2059
duration, embryos, quality, cattle 5973
embryos, *in vitro* development, cattle 1513
oocytes, *in vitro* fertilization, cattle 1513
PMSG, immunization, ovulation rate, cattle 6069
superovulation, FSH, buffaloes 2152
Oestrus
detection, vagina, mucus, electrical resistance, cattle 1073
duration, GnRH, cattle 4885
induction
conception rate
cattle 5424
goats 4327
GnRH, cattle 5424
HCG, sheep 3249
lambing rate, sheep 3249

Oestrus *cont.*
induction *cont.*
litter size, goats 4327
melatonin, sheep 2148
PMSG, sheep 3249
progesterone, sheep 2148
progestogens, sheep 3249
prostaglandins
cattle 4324
goats 4327
synchronization
artificial insemination, pregnancy rate, cattle 6695
conception rate, goats 4328
embryos, recovery, cattle 6063
fallow deer, reviews 1589
gonadotropins
cattle 3244
goats 4328
horses 5427
kidding rate, goats 4328
litter size, goats 4328
oestrogens, cattle 2674, 3244
PMSG
fallow deer 525
sheep 1072
pregnancy rate
buffaloes 523
fallow deer 525
progesterone
cattle 6063
fallow deer 525
goats 1595
sheep 1595
progestogens
cattle 2674, 2677, 6695
goats 4328
ruminants 4330
sheep 1072
prostaglandins
cattle 527, 1070, 6063, 6695
fallow deer 525
horses 5427
ruminants 4330
seasons, buffaloes 523
sheep 1072
red deer, reviews 1589
Oils
crops, biomass 2701
genetic engineering, plants 5545
Oilseed plants, genetic engineering, fatty acids, conferences 4419
Oilseeds
feed additives, conferences 6081
probiotics, conferences 6081
Olea europaea
DNA hybridization, ribosomal DNA 6510
genetic transformation, *Agrobacterium rhizogenes* 3314
in vitro culture, reviews 2105
tissue culture, somatic embryogenesis 3314
Oleosins
cell culture, *Pimpinella anisum* 6644
DNA hybridization, *Brassica napus* 2438
gene expression
Arabidopsis thaliana 5835
Brassica napus 2438, 3558
Hordeum vulgare 4067
genetic engineering, *Arabidopsis thaliana* 5835
genetic transformation, *Brassica napus* 5835
nucleotide sequences
Brassica napus 3558
Hordeum vulgare 4067
promoters
Arabidopsis thaliana 5835
Brassica napus 3558
Olfactory organs
odours, receptors, RNA hybridization, rats 268
transcription factors, nucleotide sequences, rats 5081
2′-5′ Oligoadenylate synthetase
genetic transformation, *Solanum tuberosum* 129
nucleotide sequences, rats 129
Oligonucleotides
primers, DNA sequencing, computer simulation 4737
probes, photolithography, DNA sequencing, DNA hybridization, techniques 5321
synthesis, techniques 3123
transport, cell membranes, electron microscopy 4938
Olyra latifolia, restriction mapping, evolution 1432
Omsk haemorrhagic fever virus, viral proteins, nucleotide sequences, mice 3881
Onagraceae
chloroplast genetics
ribulose-bisphosphate carboxylase 1796
taxonomy 1796
nucleotide sequences
ribulose-bisphosphate carboxylase 1796
taxonomy 1796
Oncidium varicosum, tissue culture 3189
Oncogenes (*see also* Proto-oncogenes)
animal models, books 5466
binding proteins, transcription, mice 795
cell lines
brown fat, immortalization, rats 2310
immortalization 3419
gene expression
coat, abnormalities, transgenics, mice 589
growth, cell lines, transgenics, mice 3420
mammary hyperplasia, transgenics, mice 6167
pancreas
fowls 6347
mice 6347
quails 6347
skin, abnormalities, transgenics, mice 589
tissue repair, cell lines, transgenics, mice 3420
transformation, cell lines, transgenics, mice 3420
Zea mays 5206
gene transfer
kidney diseases, mice 2236
neoplasms, mice 2221
molecular genetics, plants 4085
promoters, surfactant protein, transgenics, cell lines, mice 2313
protein-tyrosine kinase, neoplasms, mammary glands, transgenics, mice 3329
restriction fragment length polymorphism, fowls 4510
splicing, gene expression, rats 763
targeted mutagenesis, embryonic development, mice 152
transgenics, animal models, mice, reviews 5512
Onobrychis viciifolia
protoplast fusion 2638
intergeneric hybridization 3319
Onoclea sensibilis, gene expression, spores 328
Oocytes
activation
electric current, pigs 511
G proteins, receptors, acetylcholine, mice 3236
in vitro maturation, culture media, pigs 5404
nuclei
transfer
DNA, synthesis, cattle 2044
embryos
in vitro development
cattle 6677
sheep 4849
second messengers, pigs 511
age
embryos, *in vitro* development, rats 3755
in vitro fertilization, rats 3755
aspiration, ovaries, follicles, ultrasonics, cattle 3234
blastomere, fusion, embryos, *in vitro* development, cattle 4860
Oocytes *cont.*
cooling, physical properties, *in vitro* maturation, cattle 2128
culture media, calcium, spermatozoa, injection, *in vitro* fertilization, mice 6668
cumulus oophorus
embryos, *in vitro* development, cattle 4239
expansion, *in vitro* fertilization, mice 1579
in vitro
FSH, mice 5410
LH, mice 5410
thyrotropin, mice 5410
in vitro development, cattle 6679
in vitro fertilization, cattle 6679
enucleation, blastomere, electrofusion, cattle 2609
follicles, size, embryos, nuclei, RNA, cattle 2127
freezing
cryoprotectants
cattle 2128
dimethyl sulfoxide, cattle 2126
fertilization, cattle 4304
glycerol, cattle 2126
propanediol, cattle 2126
proteins, mammals 3159
embryo transfer, pregnancy rate, mice 4867
embryonic development
in vitro
hamsters 6050
mice 6050
embryos
in vitro development
cattle 2126
mice 4867
sister chromatid exchange, mice 2662
in vitro fertilization
cattle 2126, 6601
embryos, *in vitro* development, cattle 6601
hamsters 6050
mice 1516, 4867, 6050
in vitro maturation
embryos, *in vitro* development, mice 1516
mice 1516
physical properties, *in vitro* maturation, cattle 2128
pregnancy rate
embryo transfer
hamsters 6050
mice 6050
survival
hamsters 6050
mice 6050
vitrification
laboratory mammals, reviews 6608
livestock, reviews 6608
fusion
blastomere
cattle 4860
embryonic development, cattle 2056
embryonic stem cells, embryos, *in vitro* development, mice 512
in follicles, *in vitro* maturation, pigs 6044
in vitro development
cattle 967, 6606, 6669
in vitro fertilization, cattle 6600
oviducts, epithelium, llamas 4850
semen diluents, cattle 965
spermatozoa, epididymis, llamas 4850
in vitro fertilization
blood serum
cattle 4797
sheep 5411
breed differences, cattle 1513
caffeine, pigs 5970
casein, pigs 5970
cats 453
cattle 455, 961, 967, 2122-2123, 2129, 2609, 3228, 3237, 4787, 4792, 4868-4869, 5363, 5367, 5376, 5378, 6603, 6606, 6669

Oocytes *cont.*
in vitro fertilization *cont.*
cattle *cont.*
reviews 1520
chromosomes, ultrastructure, pigs 4865
culture media
cats 2055
cattle 4782, 4848
in vitro development, embryos, cattle 2050
cumulus oophorus, cattle 3230
electric current, male pronucleus, pigs 2664
embryo transfer
cattle 3226, 3240
pregnancy rate, cattle 455
embryonic development, cattle 507
embryos
in vitro development
cats 4862
cattle 2129, 4869
goats 6670
in *vitro* fertilization, embryos, *in vitro* development, pigs 1052
in vitro fertilization
FSH
cattle 1582
sheep 5411
gaur 4858
glutathione, pigs 1051
goats 6670, 6674
hypotaurine, epinephrine, cattle 5365
in vitro maturation
buffaloes 3162
cats 4862
LH
cattle 1582
foxes 2121
sheep 5411
liver, cells, cattle 4782
nuclei, ultrastructure, pigs 4865
oestrogens
cattle 1582
sheep 5411
oestrous cycle, cattle 1513
ovaries
follicular fluid, man, sheep 5411
granulosa cells, cattle 4851, 6666
oviducts
epithelium
cats 453
cattle 4782, 5365, 6666
llamas 4850
penicillamine, epinephrine, cattle 5365
pigs 1052, 2664, 3227, 4855
pregnancy, cattle 1513
proteins, cats 2055
reindeer 4861
semen diluents, cattle 965
sires, cattle 972
spermatozoa
antigens, cattle 6060
capacitation, calcium, heparin, cattle 1582
concentration, pigs 1577
dilution, pigs 5380
epididymis, llamas 4850
heparin, cattle 972
incubation, duration, cattle 4869
motility, cattle 1580
swim-up test, cattle 6048
theophylline, cattle 2134
in vitro maturation
activation, culture media, pigs 5404
activin, cattle 5413
adenosine, analogues, cattle 5403
amniotic fluid, cattle 4866
androstenedione, pigs 2131
angiotensin, rabbits 2135
blood serum
cattle 4866, 6671
pigs 5409
sheep 5411
buffaloes 2667
c-AMP
cattle 5407
pigs 4307
caffeine, pigs 5970
carbon dioxide, cattle 2130

Oocytes *cont.*
in vitro maturation *cont.*
casein, pigs 5970
cats 453
cattle 455, 961, 2123, 2609, 3241, 4787, 4792, 4868-4869, 5363, 5367, 5376, 5378
reviews 1520
culture media
cats 2055
cattle 4782, 4848
pigs 5409
cumulus oophorus, pigs 4307
dimethyl sulfoxide, cattle 6664
embryo transfer, pregnancy rate, horses 4241
embryos, *in vitro* development, cattle 6671
epidermal growth factor, pigs 2131
fibroblast growth factors, cattle 6671
fishes 6676
follicular fluid, cattle 4866
FSH
cattle 1582, 6671
pigs 2131, 3227, 4852, 6046
sheep 5411
gaur 4858
glutathione, pigs 1051
goats 6670, 6673-6674
gonadotropins
horses 3239
pigs 4307
gossypol, cattle 4864
horses 6049
hypoxanthine, mice 1043
in vitro fertilization
camels 3229
cattle 3234, 3240, 6671
culture media, pigs 5404
insulin, cattle 6671
LH
cattle 1582, 6671
foxes 2121
pigs 2131, 3227, 4852, 6046
sheep 5411
liver, cells, cattle 4782
oestrogens
cattle 1582
horses 3239
pigs 2131
sheep 5411
ovaries
corpus luteum, pigs 5409
follicles
cattle 2132
cells, pigs 6046
culture, pigs 6044
dimensions, goats 5406
secretions, pigs 4852
follicular fluid
cattle 4870
man, sheep 5411
granulosa cells
cattle 4851, 6666
horses 6663
oviducts, epithelium, cattle 4782, 6666
parthenogenesis, induction, ethanol, cattle 2125
pigs 1052, 3237, 4855
prolactin, pigs 4852
proteins
cats 2055
synthesis, inhibitors, cattle 5407
reindeer 4861, 6045
sheep 3241
spermatozoa
penetration
cattle 6664
pigs 6044
superovulation, goats 4313
techniques, oocytes, collection, horses 2119
transforming growth factor
cattle 6671
pigs 2131
maturation
dopamine, antagonists, fishes 6066
follicular fluid, embryos, *in vitro* development, cattle 4314

Oocytes *cont.*
maturation *cont.*
fusion, with mouse oocytes, cattle 2663
GnRH, analogues, fishes 6066
HCG
fishes 6066
pigs 6046
PMSG, pigs 6046
morphology, ovaries, follicles, *in vitro* culture, cattle 4853
nuclei
RNA, *in vitro* fertilization, cattle 2127
transfer
embryo transfer, cattle 981
embryos
in vitro development
cattle 981, 1514, 4237
pigs 5968
in vitro development, cattle 5974
pregnancy rate, cattle 2045
parthenogenesis
cycloheximide, cattle 6047
ethanol, cattle 6047
induction
cycloheximide, cattle 4872
electric current, cattle 4872
ethanol, cattle 4872
in vitro development, cattle 2125
nuclei, ultrastructure, rabbits 1049
plasminogen activator
antisense DNA
gene expression, mice, maternal effects 4413
gene transfer, mice, maternal effects 4413
quality
embryos, *in vitro* development, cattle 4857
in vitro fertilization, cattle 4857
in vitro maturation, cattle 4857
recovery
embryos, *in vitro* development, cattle 6669
FSH, pregnancy, cattle 2129
laparoscopy, sheep 4305
ovaries, follicles, aspiration, ultrasonics, cattle 6669
techniques
cattle 3226
embryos, *in vitro* development, cattle 5402
goats 6674
in vitro fertilization, cattle 5402
in vitro maturation, cattle 5402
repetitive DNA, mice 1317
reporter genes, injection, gene expression, mice 762
spermatozoa
injection, *in vitro* fertilization, mice 4306, 6668
penetration
pigs 1048
proteins, cattle 2133
transfer
oviducts
embryos, development, pigs 5371
fertilization, pigs 5371
ultrastructure, ultraviolet radiation, cattle 4310
vitrification, viability, cryoprotectants, ethylene glycol, mice 2061
zona pellucida
glycoproteins, spermatozoa, fertilizing ability, *in vitro*, pigs 6667
penetration, *in vitro*, spermatozoa, fertilizing ability, pigs 510
proteins, nucleotide sequences, pigs 4527
spermatozoa
acrosome reaction, pigs 4873
penetration, pigs 4873
Oogenesis, gene expression, mice, reviews 1854
Ophiostoma novo-ulmi
molecular genetics
genetic relationships 100
karyotypes 100
restriction fragment length polymorphism, genetic relationships 379

Opines
genetic transformation, *Hyoscyamus albus* 2283
tissue culture, *Hyoscyamus albus* 2283
Opioid peptides
receptors
gene expression
brain
guineapigs 5084
mice 1846
drugs, screening, cell lines 3460
mice 197
rats 806, 3511, 3525
gene mapping, restriction fragment length polymorphism, mice 1846
nucleotide sequences
brain, mice 1846
guineapigs 5084
mice 197
rats 806, 3460, 3511, 3525
Opioids
binding proteins, gene mapping, mice 882
receptors
gene expression, rats 3441
nucleotide sequences, rats 3441
Orchidaceae
ELISA
cymbidium mosaic potexvirus 434
odontoglossum ringspot tobamovirus 434
tomato spotted wilt tospovirus 434
embryo culture 2648
tissue culture, books 2192
Organelles, nucleotide sequences, plants 6327
Organic acids
production
hexoses, utilization, microorganisms, reviews 5440
pentoses, utilization, microorganisms, reviews 5440
Organic compounds, agricultural wastes, biological treatment 3784
Organization of research
biotechnology 1097
Africa 1660
Andean Group 1647
Asia 2
Côte d'Ivoire 1651-1652
crops 2197-2198
Cuba 2747
Developing Countries 2, 556, 1649, 2746, 6117, 6725
Eastern Europe 1096
ICGEB 1650
IIRSDA 1651
India 1650
Italy 1650
Oryza sativa 1, 1650
Turkey 2198
environment 6119
social impact 6119
Organogenesis
tissue culture
Allium sativum 3205
Armoracia rusticana 1023
Asparagus 2081
Carica papaya 2086
Catasetum fimbriatum 2080
Lycopersicon esculentum 2625
Malus 3191, 3220
Rhododendron 2108
Origin, identification, meat, restriction fragment length polymorphism, cattle, Korea Republic 558
Ornamental herbaceous plants
genetic engineering
colour 6169
flowers 6169
Ornamental plants, tissue culture, micropropagation 6718
Ornamental woody plants, tissue culture 2639
Ornithine carbamoyltransferase
gene expression
Nicotiana tabacum 1170
Phaseolus vulgaris 2843
gene mapping, DNA hybridization, fowls 885
Ornithine carbamoyltransferase *cont.*
genetic transformation
Nicotiana tabacum 1170
Phaseolus vulgaris 2843
promoters, transcription factors, fowls 793
Ornithine decarboxylase
gene expression, transgenics, mice 35, 585
restriction fragment length polymorphism, body composition, lean, selection, mice 1943
Ornithine-oxo-acid transaminase
nucleotide sequences, rats 700
promoters, gene expression, rats 700
Ornithodoros moubata
anticoagulants
nucleotide sequences 1217
production, extraction, techniques, *Saccharomyces cerevisiae* 1187
Orotate phosphoribosyltransferase, nucleotide sequences, *Arabidopsis thaliana* 5671
Orotidine-5′-phosphate decarboxylase, nucleotide sequences, *Arabidopsis thaliana* 5671
Orseolia oryzae
gene mapping, *Oryza sativa* 3909
random amplified polymorphic DNA, *Oryza sativa* 3909
restriction fragment length polymorphism, *Oryza sativa* 3909
Oryza
DNA fingerprinting, variety classification 6548
DNA hybridization, ribosomal DNA 5277
gene expression, glutelins 6438
molecular genetics
glutelins 6438
starch synthase 2968
transposable elements 2968
nucleotide sequences
starch synthase 2968
transposable elements 2968
protoplasts, regeneration 463
restriction fragment length polymorphism, variety classification 6548
Oryza australiensis
genetic markers, *Nilaparvata lugens* 5284
restriction fragment length polymorphism, *Nilaparvata lugens* 5284
Oryza granulata, protoplasts, regeneration 1541
Oryza minuta, embryo culture, interspecific hybridization 4282
Oryza officinalis
gene mapping, restriction fragment length polymorphism 6535
nucleotide sequences, repetitive DNA 2005
restriction fragment length polymorphism, repetitive DNA 2005
Oryza sativa
anther culture 1053, 1059, 1062, 1551, 1585, 1587
chromosome transmission 517
colchicine 6051
maltose 4321
morphology 4496
photoperiodism 1064
regeneration 4321
regenerative ability 3764, 6051
temperature 1064
biotechnology 1658, 2753
organization of research 1, 1650
cell culture
α-amylase 1898
cell division 2649
embryogenesis 6638
regeneration 3716
chloroplast genetics
chlorophyll 5782
DNA binding proteins 5782
RNA polymerase 5237
cloning
catalase 2950
development 6349
flowering 6349
heat shock proteins 5702
stress 5702
Oryza sativa *cont.*
cryopreservation, embryogenesis 6638
DNA binding proteins
α-amylase 6447
gibberellins 6447
starch synthase 307
DNA fingerprinting, variety classification 6548
DNA hybridization, ribosomal DNA 2008
DNA libraries
adenosinetriphosphatase 385
cosmids 5896
cytoplasmic male sterility 385
stress 6716
yeast artificial chromosomes 5927
embryo culture
interspecific hybridization 4282
regeneration 6615
gametoclonal variation, morphology 4496
gene expression 301, 3851, 4115
abscisic acid 545
ACC synthase 1294
Agrobacterium tumefaciens 1676, 6143
alcohol dehydrogenase 5818
α-amylase 1898, 6424, 6430, 6447
anaerobiosis 1294
cell division 1368, 2649
chitinase 2370
chloroplast genetics 853, 6363
chloroplasts 3557
cytochromes 6312
development 860, 6349
DNA binding proteins 4101
DNA hybridization 1918
endosperm 5814
flooding 1294
flowering 6349
gibberellic acid 6430
gibberellins 6447
glutelins 353, 5814, 6444
heat shock proteins 545, 5702
histones 1368
homeo box 860
hydroxymethylglutaryl-CoA reductase 6295
light 312, 3557, 4075
malate dehydrogenase 5642
oryzacystatin 4079
pathogenesis-related proteins 6295
photosynthesis 3557, 6363
phytochrome 4101
plant embryos 5106
prolamins 349, 5814
promoters 1330
protein kinase 5113
pyruvate,orthophosphate dikinase 5829
ribulose-bisphosphate carboxylase 312, 858, 4075
seeds 5113
starch synthase 307, 1239
stress 5702, 6716
ubiquitin 1330
vivipary 5106
gene mapping 387, 2538-2539, 5895, 5911
catalase 2950
cosmids 5896
Magnaporthe grisea 4193
mitochondrial genetics 1442
Orseolia oryzae 3909
repetitive DNA 2551
restriction fragment length polymorphism 3638, 6535
ribosomal DNA 2008
techniques 5910
genetic engineering 301
actin 354, 1885
glutelins 6444
oryzacystatin 4079
prolamins 289, 349
ribulose-bisphosphate carboxylase 282
genetic markers
Nilaparvata lugens 5284
quality 4699
genetic transformation 301, 463, 2792, 3851, 4115, 4950
actin 51

Oryza sativa cont.
genetic transformation *cont.*
Agrobacterium tumefaciens 1676, 6143
alcohol dehydrogenase 5818
Bacillus thuringiensis
Chilo suppressalis 603
Cnaphalocrocis medinalis 603
cell division 1368
glutelins 353
histones 1368
injuries 51
interferon 3866
Magnaporthe grisea 4435
miscanthus streak monogeminivirus 4991
pathogens 2753
promoters 1330
proteinase inhibitors 51
protoplasts 2773
pyruvate,orthophosphate dikinase 5829
reviews 6133
ribulose-bisphosphate carboxylase 858
selectable markers 5481
stress 2753
synthetic genes
Chilo suppressalis 603
Cnaphalocrocis medinalis 603
techniques 1680, 2773
transposable elements 4991
ubiquitin 1330
Xanthomonas oryzae 4435
genomes 4719
in vitro selection, stress 540
induced mutations
morphology 4496
repetitive DNA 4708
ribosomal DNA 4708
mitochondrial genetics
adenosinetriphosphatase 385
cytoplasmic male sterility 385, 2927
adenosinetriphosphatase 4090
repetitive DNA 3490
molecular genetics
starch synthase 2968
transposable elements 2968
monoclonal antibodies, lipoxygenase 5963
nucleotide sequences 5666
ACC synthase 1294
anaerobiosis 1294
chitinase 2370
chloroplast genetics 216
computer software 5949
cytochromes 6312
cytoplasmic male sterility 2927
development 860
DNA binding proteins 4101
elongation factors 6290
evolution 4714
ferredoxin-NADP$^+$ reductase 5622
flooding 1294
G proteins 1264
gene expression 4545
globulins 5114
heat shock proteins 226
homeo box 860
hydroxymethylglutaryl-CoA reductase 6295
lactate dehydrogenase 734
malate dehydrogenase 5642
nucleoside-diphosphate kinase 2379
pathogenesis-related proteins 6295
peroxidases 5111
phenylalanine ammonia-lyase 1273
phytochrome 4101
plant embryos 5106
prolamins 225, 6333
protein kinase 5113
repetitive DNA 1839, 1842, 3490
ribosomal DNA 1797, 4714
ribosomes 1265, 2949, 6271
ribulose-bisphosphate carboxylase 858
seeds 5113
starch synthase 1239, 2968
stress 4545
superoxide dismutase 4561
thioltransferase 6291

Oryza sativa cont.
nucleotide sequences *cont.*
transposable elements 2968, 6368
triose-phosphate isomerase 233
vivipary 5106
polymerase chain reaction, prolamins 349
promoters
actin 51, 354, 1885
α-amylase 6430, 6447
chlorophyll 5782
chloroplast genetics 6363
DNA binding proteins 4101, 5782
gibberellic acid 6430
gibberellins 6447
glutelins 353, 6444
injuries 51
photosynthesis 6363
phytochrome 4101
proteinase inhibitors 51
selectable markers 5481
starch synthase 307
protoplast fusion 463
chloroplast genetics 28
mitochondrial genetics 28
protoplasts 1034, 4950
embryogenesis 6638
regeneration 3716, 4300, 6615
somatic embryogenesis 1033
random amplified polymorphic DNA 3096
Orseolia oryzae 3909
Xanthomonas oryzae 400
restriction analysis
chlorophyll 5782
DNA binding proteins 5782
restriction fragment length polymorphism 387, 393, 401, 1450, 2539, 4187, 4719, 5317, 5917
chitinase 2370
height 931
intergeneric hybridization 5260
isoenzymes 3641
Magnaporthe grisea 4193
mitochondrial genetics 1442
Nilaparvata lugens 5284
Orseolia oryzae 3909
Pyricularia oryzae 390, 402
quality 4699
variety classification 6548
Xanthomonas oryzae 390, 400
RNA editing, cytoplasmic male sterility, adenosinetriphosphatase 4090
single strand conformation polymorphism, techniques 5910
somaclonal variation
flooding 160
height 1759
yield components 1758
tissue culture 1547, 1551, 1571, 2116, 6635
regeneration 3718, 4253
regenerative ability 1554
somatic embryogenesis 4288
Oryzacystatin
gene expression, *Oryza sativa* 4079
genetic engineering, *Oryza sativa* 4079
Osmadenia tenella, nucleotide sequences, ribosomal DNA 1240
Osmotic stress, tissue culture, *Lavandula latifolia* 2274
Osmotin
gene expression, *Nicotiana tabacum* 3568
promoters, *Nicotiana tabacum* 3568
Osmunda cinnamomea, nucleotide sequences, ribulose-bisphosphate carboxylase 5105
Osmunda regalis
DNA methylation, ribosomal RNA 1271
nucleotide sequences, ribosomal RNA 1271
RNA editing, ribosomal RNA 1271
Osteocalcin, promoters, gene expression, vitamin D, transgenics, mice 36
Osteonectin, promoters, DNA binding proteins, cattle 2993
Osteopetrosis, proto-oncogenes, mutations, mice 1746
Osteopontin, nucleotide sequences, mice 636
Ostriches, ELISA, detection, Borna disease virus 1491

Ostrinia nubilalis
genetic markers, *Zea mays* 5292
genetic transformation
Solanum tuberosum 127
Zea mays 3299
restriction fragment length polymorphism, *Zea mays* 5292
Otatea acuminata, tissue culture, somatic embryogenesis 6659
Otochilus alba, tissue culture 3720
Ova
androgenesis, mice 1046
centrifugation, embryos, *in vitro* development, pigs 5382
cumulus cells, embryos, *in vitro* development, cattle 6605
fertilization, detection, embryos, monoclonal antibodies, mice 414
flow cytometry, detection, heteroploidy, fishes 4750
in vitro fertilization
cattle 980
electric current, male pronucleus, pigs 2664
embryos, *in vitro* development, cattle 5971
hatching, fowls 6068
pigs 2664
rabbits 6678
spermatozoa
acrosome reaction, pigs 1581
concentration, pigs 1042
in vitro maturation
cattle 980
in vitro fertilization, culture media, caffeine, cattle 4789
microamplification, lasers, laboratory mammals 1050
nucleotide sequences, mice 683
recovery
duration
embryos, *in vitro* development, hamsters 968
in vitro fertilization, hamsters 968
spermatozoa, penetration, *in vitro,* bicarbonates, cattle 4871
triploidy, induction, pressure, fishes 5426
zona pellucida, spermatozoa, acrosome reaction, mice 4856
Ovalbumin
molecular genetics, fowls, reviews 1861
promoters
transcription factors
α-fetoprotein
activation, rats 4049
repression, rats 4049
gene expression, embryos, mice 5176
peroxisome proliferator responsive element, binding, fowls 5747
Ovaries
activity
cryopreservation, mice 6595
transplantation, mice 6595
corpus luteum, oocytes, *in vitro* maturation, pigs 5409
DNA probes, detection, chimaeras, mice 4404
follicles
aspiration, oocytes, recovery, ultrasonics, cattle 6669
cells, oocytes, *in vitro* maturation, pigs 6046
culture, oocytes, *in vitro* maturation, pigs 6044
development
PMSG, immunization, superovulation, cattle 6069
superovulation, FSH, cattle 2150
dimensions, oocytes, *in vitro* maturation, goats 5406
in vitro culture, oocytes, morphology, cattle 4853
oocytes
aspiration, ultrasonics, cattle 3234
in vitro maturation, cattle 2132
secretions, oocytes, *in vitro* maturation, pigs 4852
size, somatotropin, transgenics, pigs 2676

Ovaries *cont.*
follicular fluid
man
embryos, *in vitro* development, sheep 5411
oocytes
in vitro fertilization, sheep 5411
in vitro maturation, sheep 5411
oocytes, *in vitro* maturation, cattle 4870
gene expression
tyrosine kinase
receptors
binding proteins
mice 1311
mutations, mice 1306
GnRH, receptors, gene expression, rats 5174
granulosa cells
cell lines
cytokines, secretion, mice 5381
growth factors, secretion, mice 5381
hormones, secretion, mice 5381
embryos, *in vitro* development, cattle 4851, 6666
oocytes
in vitro fertilization, cattle 4851, 6666
in vitro maturation
cattle 4851, 6666
horses 6663
relaxin, gene expression, sheep 1224
tissues, embryos, *in vitro* development, horses 2070
transport, temperature, embryonic development, cattle 507

Oviducts
ampulla, mice, embryos, *in vitro* development, cattle 4792
antigens, monoclonal antibodies, cattle 1067
cells
embryos
in vitro development
cattle 2046, 5969, 6605
sheep 4244
embryo transfer, *in vitro* development, horses 2070
embryonic development, *in vitro* fertilization, cattle 2046
epithelium
embryos
in vitro development
cattle 981, 4782, 5365, 5367, 5370, 6666
laboratory mammals 2049
livestock 2049
llamas 4850
oocytes
in vitro development, llamas 4850
in vitro fertilization
cats 453
cattle 4782, 5365, 6666
llamas 4850
in vitro maturation, cattle 4782, 6666
fluids
embryos
in vitro development
cattle 967, 6605
pigs 5360
glycoproteins, nucleotide sequences, cattle 3979
oocytes
transfer
embryos, development, pigs 5371
fertilization, pigs 5371

Ovulation
in vitro, epinephrine, fishes 6042
induction
embryos, recovery, buffaloes 1524
FSH, LH, separation, horses 524
GnRH, buffaloes 1524
HCG, buffaloes 1524

Ovulation rate
androstenedione, immunization, sheep 4334
FSH, in polyethylene glycol, sheep 4332

Ovulation rate *cont.*
GnRH, cattle 4885
inhibin
immunization
livestock, reviews 1591
reviews
cattle 3248
sheep 3248
sheep 4878
PMSG, immunization, oestrous cycle, cattle 6069
superovulation
Père David's deer 6058
red deer 6058

Ovule culture
colchicine, *Beta vulgaris* 6683
Cynara scolymus 3763
cytoplasmic male sterility, *Beta vulgaris* 6680
fertilization, *Hordeum vulgare* 6055
gamma radiation
Citrus sinensis 2670
Poncirus trifoliata 2670
Ginkgo biloba 1061
growth regulators, *Prunus persica* 4837
haploidy
Beta vulgaris 6680
sugarbeet 4322, 6690
Triticum aestivum 6682
Hyacinthus orientalis 518
interspecific hybridization
Gypsophila manginii 6056
Gypsophila paniculata 6056
Picea sitchensis 1583
plant embryos, *Beta vulgaris* 6680
polyploidy, *Beta vulgaris* 6683
regenerative ability, *Hordeum vulgare* 6055
somatic embryogenesis
Cayratia japonica 4323
Theobroma cacao 2624
techniques
Hordeum vulgare 6055
Prunus persica 4837
Zea mays 4336
Triticum aestivum 518, 1565
Vitis vinifera 1056

Ovules
gene expression, *Arabidopsis thaliana* 4631
mutations, *Arabidopsis thaliana* 4631
tissue culture, *Vitis vinifera* 468

Oxidants, embryos, freezing, mice 2067

Oxidative stress
gene expression, *Zea mays* 3793
genetic transformation
Nicotiana plumbaginifolia 3788
Nicotiana tabacum 3789
molecular genetics, plants, reviews 6711

Oxidoreductases, tissue culture, *Allium sativum* 4473

Oxidosqualene cyclase, nucleotide sequences, *Candida albicans* 3886

Oxygen
embryos
in vitro development
cattle 5367
hamsters 968
mammals 2063
rabbits 5364
sheep 4244
gene expression, *Rhizobium meliloti* 171
tissue culture, *Picea abies* 4826

Oxytocin
gene expression, rats 2383
gene mapping, restriction fragment length polymorphism, mice 367
gene transfer
androgens, in testes, mice 2800
gene expression, testes, mice 2800
spermatozoa, reserves, mice 2800
testes, morphology, mice 2800
promoters, rats 2383
restriction fragment length polymorphism, cattle 370

Ozone, genetic transformation, *Nicotiana plumbaginifolia* 3788

Pachyphytum, nucleotide sequences, lipid transfer proteins 2935

Paeonia lactiflora
embryo culture 4248

Paeonia lactiflora *cont.*
gene expression, pollen 20
genetic transformation, pollen 20

Paeonia suffruticosa
tissue culture 458, 5982
cytokinins 5983

Palaeobotany
molecular genetics 5327
polymerase chain reaction 5327

Palmitoyl-acyl carrier protein desaturase
gene expression, *Coriandrum sativum* 4603
genetic transformation, *Nicotiana tabacum* 4603

Panax pseudoginseng
bioreactors
Agrobacterium rhizogenes 5442
ginsenoside 1736
glycosides 5442
biotransformation
18β-glycyrrhetinic acid 4443
triterpenoids 4443
cell culture 4815
cryopreservation 4815
polysaccharides 2276
embryo culture, somatic embryogenesis 985
genetic transformation, *Agrobacterium rhizogenes* 1736, 4443
tissue culture
ginsenoside 1736
18β-glycyrrhetinic acid 4443
pathogenesis-related proteins 6013
ribonucleases 6013
somatic embryogenesis 4809
triterpenoids 4443

Panax quinquefolius
tissue culture
somatic embryogenesis 2640
ultrastructure 2640

Pancreas
cellulase
gene expression, mice 2804
gene transfer, mice 2804
glycoproteins, nucleotide sequences, rats 196
insulin, transcription factors, nucleotide sequences, mice 5599
lithostatine, nucleotide sequences, rats 4506
oncogenes
gene expression
fowls 6347
mice 6347
quails 6347
somatostatin, DNA binding proteins, gene expression, rats 2997
triacylglycerol lipase
gene expression, rabbits 3437
nucleotide sequences
guineapigs 6225
rabbits 3437

Pancreas islets
regeneration
gene expression, rats 5616
gene mapping, DNA hybridization, rats 5616
nucleotide sequences, rats 5616

Pancreatic elastase II, genetic polymorphism, gene mapping, rats 3592

Pancreatic polypeptide, nucleotide sequences, fowls 2913

Panicum, random amplified polymorphic DNA 6541

Panicum maximum, protoplast fusion 13

Panicum miliaceum
gene expression
alanine transaminase 4902
anoxia 4902
nucleotide sequences
alanine transaminase 4902
anoxia 4902

Papaver bracteatum
cell culture
alkaloids 4451
salutaridine 4451
salutaridine:NADPH 7-oxidoreductase 4451

Papaver somniferum
cell culture
alkaloids 3399, 4451

Papaver somniferum cont.
cell culture *cont.*
physical properties 1546
salutaridine 4451
salutaridine:NADPH 7-oxidoreductase 4451
genetic transformation, *Agrobacterium rhizogenes* 3399
Papillomavirus, gene transfer, neoplasms, mice 2219
Paraquat
detoxification, nucleotide sequences, plasmids, *Pseudomonas* 2712
genetic engineering, *Nicotiana tabacum* 5538
Parasites
detection, ribosomal RNA, nucleotide sequences, reviews 4210
ELISA, immunodiagnosis 1505
Parathyrin
collagen, promoters, gene expression, skull, transgenics, mice 37
receptors
nucleotide sequences, mice 5062
transcription, mice 5062
restriction fragment length polymorphism, cattle 877
Parathyroid, calcium, receptors, nucleotide sequences, cattle 3426
Parentage
DNA fingerprinting
beef herds, cattle 5338
cattle 1948
dogs 4130
fishes 1420
horses 3076
livestock, reviews 5337
statistical analysis, cattle 4660
lactate dehydrogenase, restriction fragment length polymorphism, pigs 4126
repetitive DNA, horses 4683
satellite DNA
cattle 917
dogs 1942
horses 936
Parthenium argentatum, gene expression, hydroxymethylglutaryl-CoA reductase 1342
Parthenogenesis
induction
ethanol, cattle, oocytes, *in vitro* maturation 2125
oocytes
cycloheximide, cattle 4872
electric current, cattle 4872
ethanol, cattle 4872
in vitro development, cattle 2125
oocytes
cycloheximide, cattle 6047
ethanol, cattle 6047
nuclei, ultrastructure, rabbits 1049
proto-oncogenes, targeted mutagenesis, mice 6206, 6209
Paspalum dilatatum, protoplast fusion 13
Passiflora
protoplasts, regeneration 3178
tissue culture, regeneration 4256
Pasteurella multocida
exotoxins, ELISA, detection, pigs 1494
plasmids, restriction mapping 1152
Patatin
gene expression, *Solanum tuberosum* 5208, 6359
promoters, *Solanum tuberosum* 5208
Patents
animals, Europe 5451
bibliographies 1095
biotechnology 1081-1082, 1089, 6729
European Communities 1631
GATT 6730
India 1085-1086
plants 3809, 3813
USA 3283, 6730
DNA, cloning, *Lactococcus lactis,* techniques 5939
fruit crops 3812
gene mapping 3281
genetic engineering 3279, 3281
Developing Countries 4360
Gossypium 550
Patents *cont.*
genetic markers, plants 3815
genetic resources, Developing Countries 4360
genetic transformation, *Gossypium hirsutum* 3810
Japan 546
legislation
biotechnology, Eastern Europe 3803
European Communities 3802
natural products 5453
nucleotide sequences
legislation 6736
USA 3283
Pelargonium 3800
plants 3808
transgenics 3279
Paternity
DNA fingerprinting, horses 371
DNA probes, cattle 1421
minisatellites, dogs 2525
Pathogenesis, molecular genetics, equine encephalomyelitis virus, horses 5520
Pathogenesis-related proteins
cloning, *Nicotiana tabacum* 1159
DNA binding proteins, *Nicotiana tabacum* 1361
gene expression 1179
Arabidopsis thaliana 5522, 5526, 5528
Asparagus officinalis 5853
Beta vulgaris 5529
Brassica 1165
Glycine max 1169
Hordeum vulgare 3892, 6176, 6250
Lycopersicon esculentum 739, 4436
Nicotiana tabacum 288, 300, 604, 1160, 1361, 3016, 3361, 3364, 3568, 3891, 4431, 5534, 5836, 5853
Nicotiana tomentosiformis 5534
Oryza sativa 6295
Petroselinum crispum 1182, 5526
Phaseolus vulgaris 6175
plants 1172, 1332
Zea mays 6261
genetic engineering 3915
Hordeum vulgare 3361
neomycin phosphotransferase, plants 1087
Nicotiana tabacum 2443
Nicotiana tomentosiformis 5534
genetic transformation
Lactuca sativa 2443
Lycopersicon esculentum 3915
Nicotiana tabacum 288, 300, 1159-1160, 3361, 3364, 3891, 5534, 5853
in vitro selection
Malus pumila 1720
temperate fruits 1710
triticale 1718
molecular genetics, plants 3381
nucleotide sequences 1179
Amaranthus caudatus 92
Arabidopsis thaliana 5522, 5526
Beta vulgaris 5529
Hordeum vulgare 6250
Lycopersicon esculentum 99, 739, 4436
Nicotiana tabacum 300, 4431
Oryza sativa 6295
Petroselinum crispum 5526
promoters
Arabidopsis thaliana 5526
Asparagus officinalis 5853
neomycin phosphotransferase, plants 1087
Nicotiana tabacum 288, 300, 1361, 3568, 4431, 5534
Nicotiana tomentosiformis 5534
Petroselinum crispum 5526
plants 1332
tissue culture, *Panax pseudoginseng* 6013
Pathogenicity
molecular genetics
Pseudomonas syringae pv. *syringae, Phaseolus vulgaris* 106
Ustilago zeae 89
toxins, targeted mutagenesis, *Aspergillus fumigatus* 2253
Pathogens
gene expression
Nicotiana tabacum, reviews 1184
plants 6194
reviews 1184
genetic engineering 2845
plants 114
reviews 602
genetic transformation
Oryza sativa 2753
Solanum tuberosum 6190
interleukins, targeted mutagenesis, immune response, mice 3922
molecular genetics
plants 3380
books 1635
reviews 602
Paulownia fortunei, tissue culture 4838
Pea early browning tobravirus, genetic transformation, replicase, *Nicotiana benthamiana* 2847
Pea seed-borne mosaic potyvirus
ELISA, detection 3672
immunological techniques, *Pisum sativum* 5964
RNA probes, *Pisum sativum* 5964
Peanut mottle potyvirus, tissue culture, *Arachis hypogaea* 465
Peanut stripe potyvirus, tissue culture, *Arachis hypogaea* 465
Pectinesterase
gene expression
Lycopersicon esculentum 325, 1378, 5646, 6373
Petunia inflata 6293
genetic engineering, *Lycopersicon esculentum* 325, 1378
genetic transformation, *Lycopersicon esculentum* 1378, 6373
nucleotide sequences
Lycopersicon esculentum 5646
Petunia inflata 6293
Pedigree, DNA probes, cattle 1421
Peganum harmala
cell culture, heat shock proteins 6016
gene expression, heat shock proteins 6016
tissue culture
alkaloids 4445
aromatic-L-amino-acid decarboxylase 4445
serotonin 4445
Pelargonium
breeders' rights 3800
genetic transformation, *Agrobacterium rhizogenes* 3392
patents 3800
tissue culture
fragrance 3392
geraniol 3392
habit 3392
Pelargonium domesticum
tissue culture
histology 6658
somatic embryogenesis 6658
Pelargonium flower break carmavirus, ELISA, *Pelargonium zonale* 424
Pelargonium graveolens, tissue culture, regeneration 6645
Pelargonium hortorum
nucleotide sequences, chloroplast genetics 3475
tissue culture 1575
humidity 1575
regeneration 2085
somatic embryogenesis 2626
Pelargonium zonale, ELISA, pelargonium flower break carmavirus 424
Pemphigus betae, restriction fragment length polymorphism, *Populus* 932
Penicillamine
epinephrine
embryos, *in vitro* development, cattle 5365
in vitro fertilization, oocytes, cattle 5365
Pennisetum glaucum
in vitro selection, *Sclerospora graminicola* 3415
mitochondrial genetics, cytoplasmic male sterility 6703-6704

Pennisetum glaucum *cont.*
restriction fragment length polymorphism, cytoplasmic male sterility 6703-6704
Pentoses
utilization
organic acids, production, microorganisms, reviews 5440
solvents, production, microorganisms, reviews 5440
Pepper mottle potyvirus
protoplasts
Capsicum annuum 4988
Capsicum chinense 4988
Peptidases, mitochondrial DNA, nucleotide sequences, liver, rats 3447
Peptides
antibacterial agents, nucleotide sequences, bone marrow cells, pigs 5072
transfection, plasmids, liposomes, cell lines 2762
transporter
cloning, rabbits 5038
gene expression, rabbits 5038
Père David's deer
ovulation rate, superovulation 6058
pregnancy rate, embryo transfer 6058
superovulation
FSH 6058
PMSG 6058
Performance, gene transfer, livestock, reviews 2815
Perilla frutescens
bioreactors, techniques 1608
cell culture, techniques 1608
Peronospora parasitica
gene expression, *Arabidopsis thaliana* 5528
random amplified polymorphic DNA, *Arabidopsis thaliana* 1999, 6197
restriction fragment length polymorphism, *Arabidopsis thaliana* 1999, 6197
Peronospora tabacina
gene expression, *Nicotiana tabacum* 1160, 2851
genetic engineering, *Nicotiana tabacum* 2851
genetic transformation, *Nicotiana tabacum* 1160
Peroxidase, tissue culture, *Daucus carota* 3750
Peroxidases
gene expression
Amoracia rusticana 5812
Arabidopsis thaliana 3022
Armoracia rusticana 3028
Bryonia cretica 2446
DNA binding proteins, thyroid gland, rats 2980
Hordeum vulgare 3892, 3911, 4108
Lycopersicon esculentum 5626
Nicotiana tabacum 5812
genetic engineering
Amoracia rusticana 5812
Arabidopsis thaliana 3022
Armoracia rusticana 3028
genetic transformation, *Nicotiana tabacum* 3022, 3028, 5812
molecular genetics, plants, reviews 6711
nucleotide sequences
Arabidopsis thaliana 5110
Gossypium hirsutum 4558
Linum usitatissimum 4553
Lycopersicon esculentum 2931, 5626
Oryza sativa 5111
promoters
Amoracia rusticana 5812
Arabidopsis thaliana 3022
Armoracia rusticana 3028
tissue culture
Armoracia rusticana 4440
Phoenix dactylifera 4811
Peroxisome proliferator responsive element, binding, ovalbumin, promoters, transcription factors, fowls 5747
Peroxisomes
proliferators
receptors
gene expression, mice 2344
Peroxisomes *cont.*
proliferators *cont.*
receptors *cont.*
nucleotide sequences, mice 2344
receptors, gene mapping, restriction fragment length polymorphism, mice 6497
Persea americana
gene expression
ACC oxidase 1923
cellulase 1923
cytochrome-*c* oxidase 1923
fruits 207
polygalacturonase 1923
ripening 207, 1923
nucleotide sequences
polygalacturonase 2951
ripening 2951
Pest resistance
gene expression
chitin, plants, reviews 1373
lectins, plants, reviews 1373
genetic engineering, plants 1171, 3286
genetic transformation, crops 2839
molecular genetics
chitin, plants, reviews 1373
lectins, plants, reviews 1373
Pesticide residues
ELISA
milk 428
water 428
Pesticide resistance
genetics, *Zea mays* 5558
in vitro selection, *Zea mays* 5558
Pesticides
bioremediation, soil, *Pseudomonas cepacia* 2705
immunological techniques 449
Pests
biotechnology, plants 3366
genetic engineering, *Bacillus thuringiensis,* plants 3354
restriction fragment length polymorphism, plants 3644
Petroleum hydrocarbons, biodegradation, reviews 3787
Petroselinum crispum
cell culture, heat shock proteins 6016
gene expression
4-coumarate-CoA ligase 3904, 298
DNA binding proteins 5526, 5805
elicitors 5526
heat shock proteins 6016
light 4082, 5805
naringenin-chalcone synthase 4082, 6410
pathogenesis-related proteins 1182, 5526
phenylalanine ammonia-lyase 3904
phytoalexins 1182
Phytophthora megasperma 1182
Phytophthora megasperma f.sp. *glycinea* 3904
plasmids 22
techniques 22
genetic engineering
4-coumarate-CoA ligase 298
plasmids 22
techniques 22
genetic transformation
naringenin-chalcone synthase 4642, 6410
plasmids 22
techniques 22
nucleotide sequences
DNA binding proteins 5526
elicitors 5526
pathogenesis-related proteins 5526
tryosine decarboxylase 4544
promoters
DNA binding proteins 5526
elicitors 5526
light 4082
naringenin-chalcone synthase 4082
pathogenesis-related proteins 5526
Petunia
cell culture, IAA 466
gene expression 3020, 4602
anthocyanins 1907
colour 1907
flowers 309, 1907
Petunia *cont.*
gene expression *cont.*
homeotic genes 309
naringenin-chalcone synthase 1907
genetic engineering 4602
genetic transformation 3020, 4599
mitochondrial genetics, cytoplasmic male sterility 534
molecular genetics
ribonucleases 3772
self incompatibility 3772
promoters 4602
flowers 309
homeotic genes 309
protoplasts, techniques 4808
RNA editing, mitochondrial genetics 5802
somaclonal variation, haploidy 2301
tissue culture, cytokinins 5978
transposable elements 3020
ultraviolet radiation 4599
X radiation 4599
Petunia hybrida
cloning
alcohol dehydrogenase, *Zea mays* 1617
hypoxia, *Zea mays* 1617
DNA methylation, dihydrokaempferol 4-reductase 5832
gene expression
alcohol dehydrogenase, *Zea mays* 1617
anthocyanins 2469
antisense DNA 1350
chlorophyll *a/b* binding protein 4071
co-suppression 2427
colour 2944
cysteine proteinases 1353
cytoplasmic male sterility 3546
development 1902
flavonoid 3′,5′-hydroxylase 2944
flavonol synthase 1808
flavonols 6443
floral binding protein 2427
flowers 1902-1903
β-glucuronidase 6152
homeotic genes 2427
hypoxia, *Zea mays* 1617
injuries 3577
kaempferol 3577
kanamycin 4619
naringenin-chalcone synthase 3577
naringenin 3-dioxygenase 3577
neomycin phosphotransferase 6152
nitrate reductase 4562
plant development 1903
pollination 3577
protoplasts 1350
ribulose-bisphosphate carboxylase 4071
techniques 1350
transposable elements 2453, 6386
gene tagging
reporter genes 6420
streptomycin phosphotransferase 6420
transposable elements 6420
genetic engineering
anthocyanins 4617
co-suppression 2427
colour 600, 4617
development 342
flavonoid 3′,5′-hydroxylase 4617
flavonoids 600
floral binding protein 2427
flowers 342
homeotic genes 2427
pH 4617
ribulose-bisphosphate carboxylase 6553
transposable elements 6386
genetic transformation
Agrobacterium tumefaciens 6138
chlorophyll *a/b* binding protein 4071
cysteine proteinases 1353
dihydrokaempferol 4-reductase 5832
DNA methylation 5225
flavonols 6443
β-glucuronidase 6152
neomycin phosphotransferase 6152
ribulose-bisphosphate carboxylase 4071

Petunia hybrida cont.
genetic transformation cont.
transposable elements 2453
in vitro selection, kanamycin 4619
mitochondrial genetics 2470
cytoplasmic male sterility 1247, 3546, 6298
recombination 1247
ribosomes 1284
molecular genetics
development 1902
DNA polymerase 4599
DNA repair 4599
flowers 1902
mutations
development 342
flavonols 6443
flowers 342
rhamnosyltransferases 2363
nucleotide sequences
ACC oxidase 3496
alcohol dehydrogenase 1257
colour 2944
cytochrome P-450 2964
cytoplasmic male sterility 1247, 6298
development 342
flavonoid 3′,5′-hydroxylase 2944
flavonol synthase 1808
flowers 342
nitrate reductase 4562
promoters 733
recombination 1247
rhamnosyltransferases 2349, 2363
ribosomes 1284
polymerase chain reaction, alcohol dehydrogenase 1257
promoters, anthocyanins 2469
protoplast fusion, interspecific hybridization 4402
protoplasts, regeneration 5396
restriction fragment length polymorphism
colour 2944
flavonoid 3′,5′-hydroxylase 2944
RNA editing 2470
ribosomes 1284
tissue culture, regeneration 982
Petunia inflata
gene expression
pectinesterase 6293
pollen 5667, 6293
receptor-like protein kinases 5667
genetic transformation
antisense DNA 3773
ribonucleases 3773
self incompatibility 3773
nucleotide sequences
pectinesterase 6293
pollen 5667, 6293
receptor-like protein kinases 5667
Petunia parodii
gene expression, cytoplasmic male sterility 3546
mitochondrial genetics, cytoplasmic male sterility 3546
pH
genetic engineering, *Petunia hybrida* 4617
molecular genetics, *Rosa* 4617
Phagocyte oxidase
gene expression, mice 3953
gene mapping, restriction fragment length polymorphism, mice 3953
nucleotide sequences, mice 3953
Phagocytes, DNA probes, detection, *Staphylococcus,* mice 5355
Phalaenopsis
gene expression, ACC oxidase 1911
tissue culture, micropropagation 3217
Phanerochaete chrysosporium, insecticides, bioremediation 2697
Pharbitis nil
gene expression
circadian rhythm 1932
DNA binding proteins 1932
light 1932
photoperiodism 5227
gene mapping
dihydrokaempferol 4-reductase 4715
flowers 4715
mutations
dihydrokaempferol 4-reductase 4715
Pharbitis nil cont.
mutations cont.
flowers 4715
nucleotide sequences
circadian rhythm 1932
DNA binding proteins 1932
light 1932
transposable elements
dihydrokaempferol 4-reductase 4715
flowers 4715
Pharmaceutical proteins
gene expression, milk, transgenics, livestock, reviews 4968
gene transfer
livestock, reviews 2815
mammary glands, transgenics, livestock, reviews 2813
genetic engineering
plants 5544
transgenics, cattle, reviews 5499
milk
transgenics
livestock, reviews 2813, 4966
mice, reviews 4966
transgenics
livestock
books 5466
reviews 6162
mice, reviews 6162
Phaseolin, genetic transformation, *Nicotiana tabacum* 2467
β-Phaseolin
DNA binding proteins, *Phaseolus vulgaris* 5214
gene expression, *Phaseolus vulgaris* 5214
promoters, *Phaseolus vulgaris* 5214
Phaseolus
chloroplast genetics, taxonomy 3647
restriction fragment length polymorphism
linkage 6513
taxonomy 3647
Phaseolus coccineus
gene mapping, polygalacturonase-inhibiting protein 3633
mitochondrial genetics, cytoplasmic male sterility 6701
restriction fragment length polymorphism
cytoplasmic male sterility 6701
polygalacturonase-inhibiting protein 3633
restriction mapping
cytoplasmic male sterility 535
mitochondrial genetics 535
Phaseolus vulgaris
chloroplast genetics, transfer RNA 6252
DNA binding proteins, β-phaseolin 5214
gene expression 2467
agglutination, *Pseudomonas putida* 95
anisomycin 873
anthocyanins 1887, 4612
chalcone isomerase 1887
chitinase 91, 6407
Colletotrichum lindemuthianum 873, 3580, 6175
cytoplasmic male sterility 3250
dactinomycin 873
elicitors 3580, 6175
emetine 873
light 4612, 5235
lipoxygenase 2442
mercuric chloride 4353
naringenin-chalcone synthase 1887
ornithine carbamoyltransferase 2843
pathogenesis-related proteins 6175
β-phaseolin 5214
polygalacturonase-inhibiting protein 6175
proline-rich proteins 3580
Pseudomonas syringae pv. *phaseolicola* 2843
ribulose-bisphosphate carboxylase 5235
stress 4353
wounding 6175
gene mapping
cytoplasmic male sterility 6073
mitochondrial genetics 2159
polygalacturonase-inhibiting protein 3633
genetic engineering 2467
arcelin 103
Phaseolus vulgaris cont.
genetic engineering cont.
chitinase 91
genetic markers, bean common mosaic potyvirus 6181
genetic transformation
ornithine carbamoyltransferase 2843
Pseudomonas syringae pv. *phaseolicola* 2843
linkage
Rhizobium 1997
Xanthomonas campestris 1997
mitochondrial genetics, cytoplasmic male sterility 2159, 3250, 6073, 6701
molecular genetics, pathogenicity, *Pseudomonas syringae* pv. *syringae* 106
nucleotide sequences
chitinase 6407
lipoxygenase 2442
transfer RNA 6252
promoters, β-phaseolin 5214
random amplified polymorphic DNA
bean common mosaic potyvirus 6181
Colletotrichum lindemuthianum 4152
Uromyces appendiculatus 6182
restriction fragment length polymorphism
centres of origin 5267
Colletotrichum lindemuthianum 4152
cytoplasmic male sterility 6701
domestication 5267
polygalacturonase-inhibiting protein 3633
Rhizobium 1997
Xanthomonas campestris 1997
restriction mapping
cytoplasmic male sterility 535
mitochondrial genetics 535
RNA binding proteins
Colletotrichum lindemuthianum 3580
elicitors 3580
proline-rich proteins 3580
Pheasants, metallothionein, DNA, nucleotide sequences 1786
Phenolic compounds
in vitro culture
Fagopyrum esculentum 3398
Theobroma cacao 2281
tissue culture, *Coreopsis tinctoria* 4457
Phenols, biodegradation, catechol, production, *Bacillus stearothermophilus,* kinetics 6087
Phenylalanine ammonia-lyase
cell culture, *Glycine max* 2264
gene expression
Arabidopsis thaliana 6183
Eustoma grandiflorum 3547
Glycine max 2264
Hordeum vulgare 3892
Nicotiana tabacum 6183
Petroselinum crispum 3904
genetic engineering, *Arabidopsis thaliana* 6183
genetic transformation, *Nicotiana tabacum* 6183
molecular genetics, plants 3374
nucleotide sequences 5669
Oryza sativa 1273
Phenyllactic acid, tissue culture, *Duboisia leichhardtii* 4464
Pheromones, nucleotide sequences, *Cryptococcus neoformans* 1701
Phippsia algida
chloroplast genetics, taxonomy 5883
restriction fragment length polymorphism, taxonomy 5883
Phlobaphene
DNA binding proteins, *Zea mays* 5800
gene expression, *Zea mays* 5800
Phloem, nucleotide sequences, *Cucurbita pepo* 3501
Phoenix dactylifera
somatic embryogenesis 3199
tissue culture 3199, 3694, 3701
peroxidases 4811
Phosphate
binding proteins
mitochondria
gene expression, cattle 5035
nucleotide sequences, cattle 5035

Phosphate *cont.*
binding proteins *cont.*
mitochondria *cont.*
RNA, alternative splicing, cattle 5035
promoters, *Glycine max* 5839
transcription factors, *Glycine max* 5839
transporters
gene expression, rats 6344
nucleotide sequences, rats 6344
Phosphatidylcholine desaturase
gene expression, *Arabidopsis thaliana* 3491
genetic engineering, *Arabidopsis thaliana* 3491
nucleotide sequences, *Arabidopsis thaliana* 3491
Phosphatidylethanolamine *N*-methyltransferase
gene expression, cell lines, rats 5572
nucleotide sequences, rats 5572
Phosphinothricin acetyltransferase
gene expression
Arachis hypogaea 6199
Zea mays 1678
genetic transformation
Arachis hypogaea 6199
Brassica napus 4887
Festuca rubra 4952
Sorghum bicolor 2856
Triticum aestivum 1118, 2772, 3316
Zea mays 1678, 3344, 3854
protoplasts, *Festuca rubra* 4952
Zea mays 5539
Phosphoenolpyruvate carboxykinase, transcription, glucocorticoids, binding proteins, cell lines 788
Phosphoenolpyruvate carboxylase
DNA hybridization, *Triticum aestivum* 6546
gene expression
Amaranthus hypochondriacus 1381
Escherichia coli 3855
plants 3855, 6402
gene mapping, *Triticum aestivum* 6546
genetic transformation
Escherichia coli 3855
plants 3855
molecular genetics, plants 5837
nucleotide sequences
Glycine max 4023
Solanum tuberosum 1820
restriction fragment length polymorphism, *Triticum aestivum* 6546
Phosphofructokinase
gene expression, cattle 1231
nucleotide sequences, cattle 1231
RNA, alternative splicing, cattle 1231
Phosphogluconate 2-dehydrogenase, gene mapping, pigs 1944
Phosphogluconate 2-dehydrogenase (decarboxylating)
cell culture, *Catharanthus roseus* 4821
gene expression, *Eleusine* 2484
gene mapping, restriction fragment length polymorphism, pigs 5859
Phosphoglycerate kinase
nucleotide sequences, *Spinacia oleracea* 4531
promoters, vectors, cells, mammals 2761
Phosphoglycerate mutase
nucleotide sequences
Nicotiana tabacum 2360
Ricinus communis 2360
Phospholipase A_2, tissue culture, *Solanum tuberosum* 2632
Phospholipase C
nucleotide sequences
brain, rats 5592
rats 185, 4511, 4584
promoters, transcription, rats 4584
Phospholipase D, cell culture, *Catharanthus roseus* 5980
Phosphoprotein phosphatase
gene expression
Medicago sativa 6301
Medicago varia 6301
spermatogenesis, rats 786
Zea mays 4113
nucleotide sequences
Arabidopsis thaliana 5115, 5118
Phosphoprotein phosphatase *cont.*
nucleotide sequences *cont.*
Medicago sativa 6301
rats 786
Phosphoproteins
gene expression, *Zea mays* 4614
insulin-stimulated
gene expression, rats 5049
nucleotide sequences, rats 5049
Phosphopyruvate hydratase
gene mapping, restriction fragment length polymorphism, pigs 5859
nucleotide sequences
Candida albicans 2829
Ricinus communis 6249
Phosphoribosylamine-glycine ligase, nucleotide sequences, *Arabidopsis thaliana* 5685
Phosphoribosylaminoimidazole carboxylase, gene transfer, biolistics, *Cryptococcus neoformans* 2256
Phosphoribosylformylglycinamidine cycloligase, nucleotide sequences, *Arabidopsis thaliana* 222
Phosphoric monoester hydrolases
gene expression, *Pisum sativum* 4536
haematopoiesis, nucleotide sequences, mutations, mice 3538
molecular genetics, plants, reviews 4609
nucleotide sequences, *Pisum sativum* 4536
Phosphorus
tissue culture
Medicago sativa 6647
Rosa 5975
Phosphorylase kinase
deficiency, mutations, nucleotide sequences, mice 4519
gene mapping, restriction fragment length polymorphism, mice 360
Phosphorylcholine, antibodies, gene transfer, mice 4411
3-Phosphoshikimate 1-carboxyvinyltransferase, gene expression, *Lycopersicon esculentum* 5797
Phosphotransferases
antibodies, *Solanum tuberosum* 4643
gene expression, *Solanum tuberosum* 4643
Phosphotyrosyl phosphatase
gene expression, fowls 1225
nucleotide sequences, fowls 1225
Photoinhibition, gene expression, *Pinus sylvestris* 5811
Photolyases
DNA repair, *Sinapis alba* 722
gene expression, *Sinapis alba* 722
nucleotide sequences, *Sinapis alba* 722
Photoperiodism
anther culture, *Oryza sativa* 1064
gene expression, *Pharbitis nil* 5227
Photoreceptors, synapsins, gene expression, transgenics, mice 6160
Photorespiration, gene expression, *Pisum sativum* 5845
Photosynthesis
chloroplast genetics
Cucurbita pepo 2176
plants 2426
gene expression
Arabidopsis thaliana 5221
Cucurbita pepo 2176
Lycopersicon esculentum 4000
Nicotiana tabacum 1340, 6369
Oryza sativa 3557, 6363
Pinus sylvestris 5811
Pisum sativum 5845
plants 2426
Solanum tuberosum 6385
Sorghum bicolor 1360
Spinacia oleracea 4623
Zea mays 1360
genetic engineering, *Spinacia oleracea* 4623
genetic transformation
Nicotiana plumbaginifolia 4081, 4623
Nicotiana tabacum 1340, 4623, 5449, 6369
Solanum tuberosum 4084, 6385
molecular genetics, plants 5799
Photosynthesis *cont.*
nucleotide sequences, *Lycopersicon esculentum* 4000
promoters
Arabidopsis thaliana 5221
Oryza sativa 6363
Spinacia oleracea 4623
Photosystem I
chloroplast genetics, RNA, alternative splicing, *Zea mays* 6355
gene expression
Lycopersicon esculentum 5777
Nicotiana sylvestris 234
Nicotiana tabacum 1365
Solanum tuberosum 1365
genetic transformation, *Nicotiana tabacum* 1365
nucleotide sequences
Nicotiana sylvestris 234
Pisum sativum 4550
Solanum tuberosum 1365
Sorghum bicolor 209
promoters, *Solanum tuberosum* 1365
Photosystem II
chloroplast genetics
Hordeum vulgare 6365, 6396-6397
Mesembryanthemum crystallinum 6266
Triticum aestivum 6433
gene expression
Anemia phyllitidis 3567
Hordeum vulgare 6365, 6396-6397
Nicotiana tabacum 341
Triticum aestivum 6433
genetic transformation, *Nicotiana tabacum* 4102
nucleotide sequences
Arabidopsis thaliana 4541
Mesembryanthemum crystallinum 6266
Nicotiana tabacum 3502
Phthorimaea operculella, genetic transformation, *Solanum tuberosum* 127
Phyllanthus, embryo culture 6629
Phyllostachys aurea
in vitro selection
bamboo mosaic potexvirus 6633
salinity 6633
protoplasts 6633
tissue culture 6633
Physical properties
cell culture
Nicotiana tabacum 1546
Papaver somniferum 1546
oocytes
cooling, *in vitro* maturation, cattle 2128
freezing, *in vitro* maturation, cattle 2128
Phytoalexins
cell culture, *Glycine max* 2264
gene expression
Glycine max 2264
Nicotiana tabacum 3364
Petroselinum crispum 1182
genetic engineering, *Vitis vinifera* 3364
genetic transformation, *Nicotiana tabacum* 3364
Phytochrome
antibodies, *Avena sativa* 344
DNA binding proteins, *Avena sativa* 5120
DNA hybridization, *Triticum aestivum* 6546
gene expression
Arabidopsis thaliana 1908, 3042, 4601, 6257
Avena sativa 344, 4072, 4101, 5120
Lycopersicon esculentum 5777
Nicotiana tabacum 1908, 6362
Oryza sativa 4101
Pisum sativum 350
plants, reviews 1336
gene mapping, *Triticum aestivum* 6546
genetic engineering
Arabidopsis thaliana 3042
Avena 6362
genetic transformation
Arabidopsis thaliana 1908, 3042, 4601
Nicotiana tabacum 1908, 6362

Phytochrome *cont.*
genetic transformation *cont.*
plants, reviews 6436
genetics, *Arabidopsis thaliana* 5679
molecular genetics
Avena sativa 4072
plants 2480
reviews 1336
multiple alleles, *Arabidopsis thaliana* 5679
mutations, *Arabidopsis thaliana* 4601
nucleotide sequences
Arabidopsis thaliana 6257
Nicotiana tabacum 2948
Oryza sativa 4101
promoters
Arabidopsis thaliana 3042
Avena sativa 4101, 5120
Oryza sativa 4101
restriction fragment length polymorphism, *Triticum aestivum* 6546
Phytochrome A
gene expression, *Arabidopsis thaliana* 728
mutations, *Arabidopsis thaliana* 728
nucleotide sequences, *Arabidopsis thaliana* 728
Phytoene desaturase
gene expression
Lycopersicon esculentum 6372
Nicotiana tabacum 1729
genetic engineering, *Erwinia uredovora* 1729
genetic transformation, *Nicotiana tabacum* 1729
nucleotide sequences
Arabidopsis thaliana 4564
Lycopersicon esculentum 4547
Phytoene synthase
cloning, *Zea mays* 5629
gene expression, *Lycopersicon esculentum* 6372
nucleotide sequences, *Arabidopsis thaliana* 5689
Phytohaemaglutinin, genetic transformation, *Solanum tuberosum* 6168
Phytolacca americana
genetic engineering
cucumber mosaic cucumovirus 2279
potato X potexvirus 2279
potato Y potyvirus 2279
Phytophthora cactorum, *in vitro* selection, *Malus pumila* 1720, 2303
Phytophthora fragariae, *in vitro* selection, *Fragaria ananassa* 2306
Phytophthora infestans
gene expression, *Solanum tuberosum* 3904
restriction fragment length polymorphism, *Solanum tuberosum* 4162, 6525
tissue culture, *Solanum tuberosum* 2632
Phytophthora megasperma
gene expression
Glycine max 1169, 1287
Nicotiana tabacum 94
Petroselinum crispum 1182
nucleotide sequences
Glycine max 1287
Nicotiana tabacum 94
Phytophthora megasperma* f.sp. *glycinea, gene expression, *Petroselinum crispum* 3904
Phytophthora nicotianae
gene expression, *Nicotiana tabacum* 1160, 2851
genetic engineering, *Nicotiana tabacum* 2851
genetic transformation, *Nicotiana tabacum* 1160
Picea, gene expression, heat shock proteins 6102
Picea abies
embryo culture
polyamines 4831
putrescine 4831
somatic embryogenesis 4817, 4831
gene expression 3550
cinnamyl-alcohol dehydrogenase 1255
light 4606

Picea abies *cont.*
gene expression *cont.*
ribulose-bisphosphate carboxylase 4606
ubiquitin 4606
gene mapping, restriction fragment length polymorphism 6512
nucleotide sequences
alcohol dehydrogenase 4530
cinnamyl-alcohol dehydrogenase 1255
restriction fragment length polymorphism, chloroplast genetics 399
tissue culture 2623, 3194
oxygen 4826
somatic embryogenesis 2654, 4826
Picea engelmannii
cryopreservation 6620
gene expression
albumins 4080
legumin 4080
vicilin 4080
Picea glauca
cryopreservation 6620
gene expression
abscisic acid 4608
albumins 4080
alfalfa mosaic alfamovirus 3018
legumin 4080
vicilin 4080
genetic transformation 4608
alfalfa mosaic alfamovirus 3018
somatic embryogenesis 2774
promoters, alfalfa mosaic alfamovirus 3018
restriction fragment length polymorphism, chloroplast genetics 399
Picea mariana, restriction fragment length polymorphism, chloroplast genetics 399
Picea rubens
embryo culture
polyamines 4831
putrescine 4831
somatic embryogenesis 4831
Picea sitchensis
ovule culture 1583
restriction fragment length polymorphism, chloroplast genetics 399
Picornaviridae, vectors, embryonic stem cells, targeted mutagenesis, marker genes, mice 4931
Pig manure, composting 2708
Pig slurry, straw, composting, ammonia, reduction 2700
Pigeons, ELISA, detection, *Chlamydia psittaci* 2583
Pigmentation
genetic engineering, animals, reviews 4922
monophenol monooxygenase, mutations, nucleotide sequences, mice 4971
Pigments, cell culture, *Carthamus tinctorius* 5542
Pigs
acrosome, proteins, nucleotide sequences, spermatozoa 5020
actinin, gene expression 6241
adenosinetriphosphatase
gene mapping, DNA hybridization 900
restriction fragment length polymorphism 900
adrenomedullin, nucleotide sequences 6235
albumins, restriction fragment length polymorphism 4671
alkaline phosphatase, gene mapping, restriction fragment length polymorphism 5859
D-amino-acid oxidase, gene mapping, DNA hybridization 906
aminopeptidases, restriction fragment length polymorphism 4661
ammonia, biofilters, nitrogen fixation, economics 2696
androstanes
in fat, GnRH, analogues 6082
in salivary glands, GnRH, analogues 6082
apolipoproteins
gene mapping
linkage 3054

Pigs *cont.*
apolipoproteins *cont.*
gene mapping *cont.*
satellite DNA 3054
arachidonate 12-lipoxygenase, restriction fragment length polymorphism 4665
Bifidobacterium, probiotics, liveweight gain 2690
boar taint, elimination, LHRH, immunization 536
body weight, cholecystokinin, immunization, sex differences 1604
calcium, release, channels, gene mapping, fluorescence microscopy 6463
calponin, nucleotide sequences 3456
carcass composition
β-adrenergic agonists 1605
reviews 4339
fat, somatotropin 2165
LHRH, immunization 3777
muscles, somatotropin 2165
somatotropin 1078, 2685
breed differences 2691
environmental temperature 1601
reviews 4339
carcasses
adipose tissue, somatotropin 3260
fatty acids, somatotropin 3260
cholesterol 7α-hydroxylase, restriction fragment length polymorphism 4666
chromosome maps 2491
cloning
glucose transporter 5569
LHRH, receptors 5618
complement, gene mapping, DNA hybridization 6462
dipeptidyl-peptidase IV
gene mapping
DNA hybridization 1963
microsatellites 1963
DNA libraries, intestines 5071
DNA methylation
embryos 6343
spermatozoa 6343
DNA probes
diagnosis, rotavirus 1497
isolation, fluorescence, DNA hybridization, gene mapping 3079
ELISA
Actinobacillus pleuropneumoniae 1474
detection, *Trichinella* 2574
embryo transfer
embryos
splitting
litter size 4800
pregnancy rate 4800, 5377
litter size 4780
pregnancy rate 2151, 4780
transcervical transfer 2065
embryonic stem cells
in vitro culture 6592
injection, embryos, chimaeras 6592
embryos
DNA, injection, *in vitro* development, culture media 5967
freezing 3163
in vitro development 4855
blood serum 4793
culture media 4793, 5404
DNA, injection 5382
growth factors 5360
oocytes, in *vitro* fertilization 1052
ova, centrifugation 5382
oviducts, fluids 5360
proteins 4793
spermatozoa, dilution 5380
sucrose 4805
splitting, *in vitro* development 5377
vitrification, *in vitro* development 6593
Eperythrozoon suis, diagnosis, polymerase chain reaction 1496
exotoxins, ELISA, detection, *Pasteurella multocida* 1494
fattening performance
β-adrenergic agonists 1605
reviews 4339
LHRH, immunization 3777
somatotropin 1078, 2165, 2685
breed differences 2691

Pigs *cont.*
fattening performance *cont.*
somatotropin *cont.*
environmental temperature 1601
reviews 4339
fatty acids, binding proteins, nucleotide sequences, intestines 5071
follistatin, gene mapping, DNA hybridization 6462
fructose-bisphosphatase, nucleotide sequences 3427
gastrin, binding proteins, nucleotide sequences 2884
gene expression, differential, development, intestines 5071
gene mapping 2491
calcium, release, channels 1944
ceruloplasmin, DNA hybridization 2499
glucose-6-phosphate isomerase 1944
HCG, DNA hybridization 1407
phosphogluconate 2-dehydrogenase 1944
quantitative traits 6449
reviews 6448, 6466
satellite DNA 6491
DNA hybridization 3609
tumour protein 913
gene transfer, somatotropin, carcass composition, lipids 5510
genes
amplification, polymerase chain reaction, transgenics 47
chromogranin, restriction fragment length polymorphism 2501
isolation techniques, DNA, cloning, muscles 6241
mucin, restriction fragment length polymorphism 3599
muscles, nucleotide sequences 6241
octamer-binding protein, nucleotide sequences 2342
genetic improvement, growth, molecular genetics 3879
glucose-6-phosphate isomerase
gene mapping
fluorescence microscopy 6463
restriction fragment length polymorphism 5859
pseudogenes
gene mapping, DNA hybridization 1945
nucleotide sequences 1945
glucose-regulated protein, gene mapping, DNA hybridization 906
γ-glutamyltransferase, restriction fragment length polymorphism 4667, 4697, 1425
haemoglobin
gene transfer, vectors, transgenics 3337
genes, microinjection, transgenics 3337
promoters, gene expression, transgenics 3337
halothane susceptibility, DNA probes, breeding programmes 4773
heat shock proteins
nucleotide sequences, major histocompatibility complex 4505
restriction fragment length polymorphism, major histocompatibility complex 4505
immunoglobulins, marker genes, linkage 3075
in vitro fertilization
oocytes
chromosomes, ultrastructure 4865
nuclei, ultrastructure 4865
in vitro maturation, activation, culture media 5404
interferon
gene mapping 4761
nucleotide sequences, placenta 5593
interleukins
gene expression 5585
nucleotide sequences 5585
lactate dehydrogenase, restriction fragment length polymorphism, parentage 4126

Pigs *cont.*
linkage, major histocompatibility complex 4124
lipoproteins, receptors, restriction fragment length polymorphism 2504
major histocompatibility complex
nucleotide sequences 1771, 6243
restriction fragment length polymorphism 5861, 6243
meat quality
β-adrenergic agonists 1605
organoleptic traits, β-adrenergic agonists 3257-3258
somatotropin 2169
tenderness, β-adrenergic agonists 3257-3258
microglobulins, nucleotide sequences 1223
microsatellites
chromosome maps, polymerase chain reaction 6504
gene mapping, DNA hybridization 6462
marker genes 6115
mutations, mitochondrial DNA, slippage replication 257
nitrogen, excretion, feed additives, probiotics, reviews 5437
nucleotide sequences
glucose transporter 5569
LHRH, receptors 5618
oocytes
activation
electric current 511
second messengers 511
in follicles, *in vitro* maturation 6044
in vitro fertilization 1052, 2664, 3227, 4855
caffeine 5970
casein 5970
electric current, male pronucleus 2664
glutathione 1051
spermatozoa
concentration 1577
dilution 5380
in vitro maturation 1052, 3237, 4855
androstenedione 2131
blood serum 5409
c-AMP 4307
caffeine 5970
casein 5970
culture media 5409
cumulus oophorus 4307
epidermal growth factor 2131
FSH 2131, 3227, 4852, 6046
glutathione 1051
gonadotropins 4307
in vitro fertilization, culture media 5404
LH 2131, 3227, 4852, 6046
oestrogens 2131
ovaries
corpus luteum 5409
follicles
cells 6046
secretions 4852
prolactin 4852
spermatozoa, penetration 6044
transforming growth factor 2131
maturation
HCG 6046
PMSG 6046
nuclei, transfer, embryos, *in vitro* development 5968
spermatozoa, penetration 1048
transfer
oviducts
embryos, development 5371
fertilization 5371
zona pellucida
spermatozoa
acrosome reaction 4873
penetration 4873

ova
in vitro fertilization 2664
electric current, male pronucleus 2664
spermatozoa
acrosome reaction 1581
concentration 1042

Pigs *cont.*
ovaries, follicles, culture, oocytes, *in vitro* maturation 6044
peptides, antibacterial agents, nucleotide sequences, bone marrow cells 5072
phosphogluconate 2-dehydrogenase (decarboxylating), gene mapping, restriction fragment length polymorphism 5859
phosphopyruvate hydratase, gene mapping, restriction fragment length polymorphism 5859
plasminogen activator
DNA binding proteins, nucleotide sequences 804
gene mapping, DNA hybridization 906
promoters
gene expression 2907
nucleotide sequences 2907
regulation, c-AMP, transcription factors 804
PMSG, antibodies, effects, on reproduction 4331
protein kinase, restriction fragment length polymorphism 2490
proteins, oocytes, zona pellucida, nucleotide sequences 4527
recombinant vaccines, recombination, experimental infection, Aujeszky virus 142
repetitive DNA
marker genes 886
mitochondrial, nucleotide sequences 3434
restriction fragment length polymorphism 3590, 4687
species differences 3611
restriction fragment length polymorphism
actin 5866
actinin 2530
interleukins 2531
myogenin 2506
retinol, binding proteins, nucleotide sequences, intestines 5071
ribosomal RNA, gene mapping, books 6483
ryanodine, receptors, restriction fragment length polymorphism, porcine stress syndrome 358
satellite DNA
gene mapping, DNA probes, sex chromosomes, pseudoautosomal region 3072
restriction fragment length polymorphism 1396, 6505
sex diagnosis, embryos, polymerase chain reaction, DNA probes, Y chromosome 5352
somatotropin
carcasses, fat 6080
fattening performance 6080
fetus
body weight 2687
muscles, fibres, number 2687
gene mapping, fluorescence microscopy 6463
hypothalamic releasing hormones, gene transfer 6163
receptors, gene mapping, DNA hybridization 6462
restriction fragment length polymorphism 1405
transgenics, ovaries, follicles, size 2676
spermatozoa
acrosome reaction
caffeine 5970
casein 5970
capacitation
caffeine 5970
casein 5970
encapsulation, artificial insemination, techniques 5408
fertility, flow cytometry 5324
fertilizing ability
in vitro, oocytes, zona pellucida, glycoproteins 6667
oocytes, zona pellucida, penetration, *in vitro* 510
X-Y separation, H-Y antigen 1045

Pigs *cont.*
spleen necrosis virus, gene transfer, embryos, *in vitro* culture 6131
stem cell factor, nucleotide sequences 3463
superovulation
HCG 2151
PMSG 2151
surfactants, lungs, receptors, nucleotide sequences 5611
transcription factors
gene expression, inhibitors, nucleotide sequences, cell lines 803
muscles, restriction fragment length polymorphism 4669
restriction fragment length polymorphism, breed differences 1966
transforming growth factor
gene expression 5191
gene mapping, restriction fragment length polymorphism 5859
nucleotide sequences 5191
transporters, antigens, processing, restriction fragment length polymorphism 3621, 4693
triacylglycerol lipase
gene mapping
DNA hybridization 906
fluorescence microscopy 6463
tubulin-tyrosine ligase, nucleotide sequences 655
tumour necrosis factor
microsatellites 5861
nucleotide sequences 261
tyrosine kinase, receptors, transcription 255
vesicular stomatitis virus, detection, ELISA 3137
Y chromosome, gene mapping, sex-determining region Y 921
Pimpinella anisum
cell culture
coumarins 4477
fungal elicitors 4477
oleosins 6644
Pinellia ternata
biotransformation, cannabinol 4486
cell culture, cannabinol 4486
tissue culture 2277
cannabinol 4486
Pinus
flow cytometry, DNA 2033
gene expression, heat shock proteins 6102
restriction fragment length polymorphism
chloroplast genetics 5929
evolution 5929
interspecific hybridization 3089
Pinus banksiana
genetic transformation, *Agrobacterium rhizogenes* 1013
protoplasts, coniferin 483
restriction fragment length polymorphism
chloroplast genetics 5888
interspecific hybridization 3089
Pinus contorta
nucleotide sequences, chlorophyll *a/b* binding protein 4529
restriction fragment length polymorphism
chloroplast genetics 5888
interspecific hybridization 3089
RNA
extraction 6573
techniques 6573
Pinus elliottii
gene mapping
Cronartium fusiforme 4725
random amplified polymorphic DNA 4725
Pinus luchuensis, nucleotide sequences, ribosomal DNA 5099
Pinus monticola, genetic transformation, *Agrobacterium rhizogenes* 1013
Pinus nigra, tissue culture 3208
Pinus palustris, embryo culture, somatic embryogenesis 4832
Pinus pinaster, gene mapping 6526
Pinus pinea, tissue culture 4257
Pinus strobus, protoplasts, coniferin 483
Pinus sylvestris
gene expression
glutathione reductase 3792
nitrate reductase 6294
photoinhibition 5811
photosynthesis 5811
superoxide dismutase 3792
molecular genetics, stilbene synthase 4112
nucleotide sequences, nitrate reductase 6294
restriction analysis
nucleolus organizer 1435
ribosomal DNA 1435
restriction fragment length polymorphism
nucleolus organizer 4718
ribosomal DNA 4718
Pinus taeda
gene mapping, restriction fragment length polymorphism 6507, 6523
RNA
extraction 6573
techniques 6573
Pinus thunbergii
chloroplast genetics, transfer RNA 6320
gene expression, chlorophyll *a/b* binding protein 4025
nucleotide sequences
chlorophyll *a/b* binding protein 4025
chloroplast genetics 216
transfer RNA 6320
Pistacia, tissue culture 3737
Pistacia vera, tissue culture, techniques 5976
Pisum sativum
antibodies, ribonucleoproteins 848
biotechnology 3297
cell culture, heat shock proteins 6016
cell division
abscisic acid 4828
DNA content 4828
chloroplast genetics 3631
glycerol-3-phosphate acyltransferase 5205
hydroxymethylbilane synthase 1931
RNA binding proteins 2454
cloning
flowering, genetics, flowering 1351
heat shock proteins 4352
DNA binding proteins
chloroplasts 4644
G proteins 1459
techniques 1459
DNA hybridization, ribosomal DNA 4207
embryo culture
abscisic acid 4828
DNA content 4828
gene expression 2214, 3545
abscisic acid 3481
adenosinetriphosphatase 1915
albumins 1363, 2245
Ascochyta pisi 1927
ascorbate peroxidase 4098
aspartate-ammonia ligase 3544
aspartate carbamoyltransferase 6328
carbonate dehydratase 6405
catalase 4098
chitinase 1927
drought 4098
flowering, genetics, flowering 1351
flowers 1915
G proteins 350, 4016, 5710
glycerol-3-phosphate acyltransferase 5205
glycine decarboxylase 5845
heat shock proteins 2440, 6016
histones 3573
hydroxymethylbilane synthase 1931
IAA 3542
immunological techniques 6441
introns 5830
lectins 314, 322
light 308, 350
lipoxygenase 4069
nodulation 629, 730, 3422
nodulins 630, 2362
nutritive value 4976
phosphoric monoester hydrolases 4536
photorespiration 5845
photosynthesis 5845
Pisum sativum *cont.*
gene expression *cont.*
phytochrome 350
polyadenylate-binding proteins 6441
proteins 4976
Rhizobium 630, 3422
ribulose-bisphosphate carboxylase 3553, 5830, 6405
RNA binding proteins 2454
roots 3573
seeds 322
superoxide dismutase 3789, 4098
gene mapping 3630
disease resistance 5275
random amplified polymorphic DNA 5275
restriction fragment length polymorphism 5275
genetic engineering
albumins 1363
aspartate-ammonia ligase 3544
glutamate-ammonia ligase 3497
glycerol-3-phosphate acyltransferase 5205
lectins 305, 322
seeds 322
superoxide dismutase 3789
Verticillium 4982
genetic transformation 1100, 2214, 3707
Agrobacterium rhizogenes 336, 5486
Agrobacterium tumefaciens 4395, 5486
albumins 2245
nutritive value 4976
proteins 4976
regeneration 4395
immunological techniques
embryogenesis 5964
pea seed-borne mosaic potyvirus 5964
seeds 5964
mitochondrial genetics 3631
molecular genetics 3545
carbonate dehydratase 863
DNA binding proteins 6300
glutathione reductase 3995
lectins 6300
plant diseases 3382
nucleotide sequences
abscisic acid 3481
Ascochyta pisi 1927
aspartate carbamoyltransferase 745, 6328
chalcone isomerase 5706
chitinase 1927
chlorophyll *a/b* binding protein 5102
DNA binding proteins 6300
G proteins 4016, 5710
lectins 2956, 3479, 6300
mitochondrial genetics, adenosinetriphosphatase 1835
nodulins 2362
nucleoside-diphosphate kinase 5103
phosphoric monoester hydrolases 4536
photosystem I 4550
stress 6253
polymerase chain reaction
hydroxymethylbilane synthase 1931
nucleoside-diphosphate kinase 5103
promoters
lectins 322
lipoxygenase 4069
ribulose-bisphosphate carboxylase 3553
seeds 322
protoplasts 2214
RNA probes
embryogenesis 5964
pea seed-borne mosaic potyvirus 5964
seeds 5964
tissue culture 1100, 3188, 3198, 3707
Agrobacterium tumefaciens 4395
regeneration 4395
somatic embryogenesis 1020
Pituitary
adenylate cyclase
activating polypeptide
prolactin, promoters, activation, rats 5723

Pituitary *cont.*
adenylate cyclase *cont.*
activating polypeptide *cont.*
receptors
gene expression, rats 3532
nucleotide sequences, rats 3532
RNA, alternative splicing, rats 3532
adenylate cyclase-activating polypeptide receptors
gene expression, rats 4580, 4593
nucleotide sequences, rats 4580, 4593
RNA, alternative splicing, rats 4593
cells, effects, somatotropin, gene expression, transgenics, mice 3780
corticoliberin
receptors
gene expression, mice 5080
nucleotide sequences, mice 5080
FSH, gene expression, testosterone, transgenics, mice 2228
genes, glycoproteins, nucleotide sequences, Japanese quails 3935
GnRH, receptors, gene expression, rats 5174
somatotropin
choriomammotropin, transgenics, mice 6705
prolactin, transgenics, mice 6705
promoters, DNA binding proteins, fishes 3010
transcription factors
gene expression, fishes 3010
nucleotide sequences, fishes 3010
restriction fragment length polymorphism, mice 1962
somatotropin, gene expression, rats 3536
Placenta
interferon, nucleotide sequences, pigs 5593
proteins, gene mapping, restriction fragment length polymorphism, mice 899
relaxin, gene expression, sheep 1224
Planning, organization of research, transgenics, animals, European Communities 4921
Plant development
embryo culture, *Cucumis sativus* 6643
gene expression 2162
Antirrhinum 1881, 1909
Arabidopsis thaliana 1881, 1909, 1914
Nicotiana tabacum 1890
Petunia hybrida 1903
plants 1888, 5783
Zea mays 1928
molecular genetics
Antirrhinum 1909
Arabidopsis thaliana 1877, 1909, 1914
tissue culture, *Lycopersicon esculentum* 1017
Plant diseases
genetic engineering, biological control 539
genetic transformation
biological control 537
Pseudomonas putida 537
Rhizobium meliloti 537
Trichoderma 537
molecular genetics, *Pisum sativum* 3382
Plant embryos
cloning, *Arabidopsis thaliana* 5127
DNA, *Glycine max* 5201
gene expression
Betula pendula 1280
Glycine max 6390
Helianthus annuus 6258
Hordeum vulgare 6273
Nicotiana tabacum 6390
Oryza sativa 5106
Triticum aestivum 2356
Zea mays 279, 5206, 5240, 6416
mutations, *Zea mays* 279, 6416
nucleotide sequences
Betula pendula 1280
Helianthus annuus 6258
Plant embryos *cont.*
nucleotide sequences *cont.*
Hordeum vulgare 6273
Oryza sativa 5106
Triticum aestivum 2356
ovule culture, *Beta vulgaris* 6680
Plant hairs
gene expression, *Arabidopsis thaliana* 2455, 6303
molecular genetics, *Arabidopsis thaliana* 5827
nucleotide sequences, *Arabidopsis thaliana* 3477, 6303
polymerase chain reaction, *Arabidopsis thaliana* 6303
promoters, *Arabidopsis thaliana* 2455
Plant introduction, biosafety, crops 1619
Plant pathogens, immunological techniques 439
Plant protection, biotechnology, Developing Countries 7
Plant residues, biodegradation, feeds, production, *Pleurotus* 5444
Plant water relations
gene expression, *Arabidopsis thaliana* 6275
genetic engineering, *Arabidopsis thaliana* 6275
nucleotide sequences, *Arabidopsis thaliana* 6275
Plantago, DNA fingerprinting 3095
Plantago ovata, cell culture, somatic embryogenesis 2630
Plants
antibodies, dehydrin 1329
bioreactors
reviews 608
secondary metabolites 3394
biotechnology 5, 10, 2200, 2749, 2754
breeders' rights 3813
Developing Countries 555
diseases 3365-3366
intellectual property rights 3809
legislation 3813
patents 3809, 3813
pests 3366
technology transfer, Developing Countries 6110
biotransformation 3919
flavour enhancers, reviews 2275
flavourings, reviews 2275
fragrance, reviews 2275
breeders' rights 3808
cell culture 3710, 3741, 3919
secondary metabolites 3394
somatic embryogenesis 2641
chloroplast genetics 6367
evolution 6412
mathematics 3994
photosynthesis 2426
ribosomes 868
transfer RNA, reviews 1355
chromosome morphology
books 4914
techniques 1462
cloning 925
ascorbate peroxidase, reviews 5633
glutathione reductase, reviews 5633
promoters 1322
stress, reviews 5633
techniques 1291, 1463, 2035
co-suppression, multiple genes, reviews 6370
cryopreservation, reviews 4847
cytogenetics, books 3291
development, plastids 3030
DNA
isolation techniques 6566
techniques 3654, 4758, 5957
DNA binding proteins, DNA methylation 1334
DNA hybridization
NADH dehydrogenase (ubiquinone) 5903
techniques 1359, 1465, 5937
DNA isolation, techniques 1455, 1462, 1465, 2035, 3116, 3124
DNA libraries, techniques 1463, 4743
DNA repair, transposable elements 1375
flow cytometry, reviews 6567
gene expression 1322, 1456, 3032, 5843
Plants *cont.*
gene expression *cont.*
abscisic acid, reviews 1615
Agrobacterium tumefaciens 1111
air pollution, reviews 1609
anaerobiosis, reviews 4903
anoxia, reviews 4903
antibodies 1185
antisense DNA 2021
antisense RNA, reviews 856
bacteria 1172
cell division, reviews 867
chitin
disease resistance, reviews 1373
pest resistance, reviews 1373
chloroplasts 2449
development 5823
diseases 3902
reviews 5789
DNA binding proteins, reviews 278
drought resistance 542
embryogenesis 1925
ethylene 4620
evolution 3549, 6402
flowers 1882, 5783, 5823
fructose-bisphosphatase, reviews 4076
germination 1925
growth regulators 3543
gynoecium 1888
heat shock proteins, reviews 4905
homeotic genes 5783, 5823
hydroxymethylglutaryl-CoA reductase 1332
hypoxia, reviews 4903
immunological techniques 1333
isoflavone reductase 1332
jasmonic acid, reviews 4645
lectins
disease resistance, reviews 1373
pest resistance, reviews 1373
light 311, 3543
multiple genes, reviews 6370
naringenin-chalcone synthase 1332
pathogenesis-related proteins 1172, 1332
pathogens 6194
reviews 1184
phosphoenolpyruvate carboxylase 3855, 6402
photosynthesis 2426
phytochrome, reviews 1336
plant development 1888, 5783
plastids 3030
proline 542
protein transport 3041
reviews 1337, 1358, 3572
RNA 1338
salicylic acid 6194
sex 1882
sexual reproduction 1882, 5783, 5823
stems 5783, 5823
stress 3543, 4620
books 1640
reviews 1615, 5779, 5789, 6103
superoxide dismutase, reviews 5779, 5789
techniques 1359, 1366, 2021, 5953, 6559
transcription factors 3543
vectors 1682, 3856
viruses 1682, 4626
water stress 4351
gene mapping 925, 2000
books 4914
cytochrome-*c* oxidase 5912
disease resistance 2262
evolution 5912
NADH dehydrogenase 5912
random amplified polymorphic DNA 1449
reviews 933, 5901
ribosomes 5912
transposable elements 1258, 5878
gene transfer 1624
genetic engineering 6, 324, 548, 1101, 1138, 1456, 1624, 6184
albumins 5544
α-amylase 5544
reviews 5847
anthocyanins 5518
antibodies 3341

Plants *cont.*
genetic engineering *cont.*
apomixis 4361
aromatic compounds 5540
ascorbate peroxidase, reviews 5633
Bacillus thuringiensis, pests 3354
biosafety 552, 1622, 2187, 2728, 3799, 3806, 4361, 4909
books 1646
reviews 6111
South America 1625
colour 600, 5518
disease resistance 3286
reviews 1166
drought resistance 542
enzymes 3341
fatty acids 5545
flavonoids 600
flowers 3574, 5518
glutathione reductase, reviews 5633
herbicide resistance 552, 4361
homeotic genes 3574
insects 119, 2844
intellectual property rights 2186
lipids 2755
lysozyme, reviews 1166
male sterility 4361
Nematoda, reviews 2268
neomycin phosphotransferase 3806
biosafety 1087
pathogenesis-related proteins 1087
nutrition, reviews 4908
oils 5545
pathogens 114
reviews 602
pest resistance 1171, 3286
pharmaceutical proteins 5544
proline 542
proteins 3341
public opinion 3341, 3799, 3811
pyruvate kinase 3564
regulations 1620, 2187
South America 1625
release 1620, 1622, 3811
reviews 6111
ribulose-bisphosphate carboxylase 3564
reviews 1380
safety, reviews 4908
salinity 4355
secondary metabolites, reviews 609, 4472
stress, reviews 5633
viruses 4626
genetic markers 1427
breeders' rights 3815
patents 3815
quantitative traits 1988, 6555
techniques, reviews 4399
genetic transformation 1101, 1669, 2748, 3345, 6140
Agrobacterium 2782
books 1635
Agrobacterium rhizogenes 3014
Agrobacterium tumefaciens 1105-1106, 1111-1112, 1116-1117, 5530
antibodies 1185
auxins 3014
biosafety 3278, 4910, 6734
viruses 606, 3804, 6728
chloroplasts 2449
coat proteins, viruses 90, 606, 3376, 6728
databases 6262
glucose-1-phosphate adenylyltransferase, reviews 6413
herbicide resistance 3278
lipids, reviews 6376
multiple genes, reviews 6370
nitrate, reviews 6389
nitrite reductase, reviews 6389
phosphoenolpyruvate carboxylase 3855
phytochrome, reviews 6436
recombination 4910
viruses 3804, 6728
reporter genes 6142, 6262
reviews 6262
roots 3014
satellite RNA, viruses 606

Plants *cont.*
genetic transformation *cont.*
secondary metabolites, reviews 4472
selectable markers 6142, 6262
starch, reviews 6413
starch synthase, reviews 6413
techniques 16, 18, 21, 23, 567, 1110, 1113, 1115, 3124, 3849-3850, 6142
reviews 4399
transposable elements 1258
vectors 1682, 3856, 6142
virulence 5530
viruses 1682, 2270, 4910
immunological techniques, proteins 1326
in vitro culture 1564, 3289, 6140
aromatic compounds 5540
books 4919
education, books 3834
embryogenesis 2117
flavour enhancers, reviews 2275
flavourings, reviews 2275
fragrance, reviews 2275
genetic resources 4250
minerals 4299
reviews 4847
somatic embryogenesis 2117
statistics 6619
in vitro selection 1198, 1755
diseases 3416
salinity 1196, 2309
mitochondrial genetics 6542
cytochrome-*c* oxidase 5912
cytoplasmic male sterility 3253
reviews 6071
evolution 5912
NADH dehydrogenase 5815, 5912
NADH dehydrogenase (ubiquinone) 5903
pulsed field electrophoresis 5874
recombination 1874
repetitive DNA 1874
reviews 845
ribosomes 5912
techniques 5953
transfer RNA, reviews 1355
molecular genetics 3842, 6184, 6566
acid phosphatase, reviews 4609
Agrobacterium tumefaciens 1106, 1112, 1116
alternative oxidase 6408
amino acids, reviews 6401
anthocyanins 1356
auxins, reviews 6387
blue light 2432
catalase, reviews 6711
chitin
disease resistance, reviews 1373
pest resistance, reviews 1373
chitinase 3381
chlorophyll *a/b* binding protein 5799
colour 1356
conferences 3288
dehydrin 1329
development 1905, 3015
books 4917
reviews 6411
disease resistance 3380, 5524
diseases 3374, 3379
DNA content 1443
DNA photolyases 2432
endosperm 1905
ethylene, reviews 1346
evolution 5799, 6509
fertilization 1598
flavonoids 1356
flowers 1356, 3574
glutathione reductase (NADPH), reviews 6711
heat shock proteins, reviews 4905
homeotic genes 3574
lectins
disease resistance, reviews 1373
pest resistance, reviews 1373
matrix associated regions, reviews 6360
movement proteins, viruses 6198
Nematoda, reviews 2268
nitrate, reviews 6389
nitrite reductase, reviews 6389
oncogenes 4085

Plants *cont.*
molecular genetics *cont.*
oxidative stress, reviews 6711
pathogenesis-related proteins 3381
pathogens 3380
books 1635
reviews 602
peroxidases, reviews 6711
phenylalanine ammonia-lyase 3374
phosphoenolpyruvate carboxylase 5837
phosphoric monoester hydrolases, reviews 4609
photosynthesis 5799
phytochrome 2480
reviews 1336
pollen germination 2161
repetitive DNA 1443
ribonucleases 6702
ribosomal RNA 6354
ribulose-bisphosphate carboxylase 6509
reviews 1380
self incompatibility 2164, 6702
reviews 5430
stress, reviews 6710
superoxide dismutase, reviews 6711
techniques, books 6748
transfer RNA, reviews 1355
xyloglucan transferase, reviews 4552
mutations
disease resistance 5524
lipids, reviews 6376
nucleotide sequences
databases 6262, 6283, 6309
evolution 1833, 5648, 5683
introns 6309
mathematics 3994
organelles 6327
repetitive DNA 5314
reporter genes 6262
reviews 6262, 6309
ribosomal DNA 1833, 5683
ribulose-bisphosphate carboxylase 5683
selectable markers 6262
small nuclear RNA, reviews 5125
transposable elements 5878, 6309
xyloglucan transferase, reviews 4552
patents 3808
polymerase chain reaction
antisense DNA 2021
DNA 5345
reverse transcriptase 1261
seeds 5345
techniques 1466, 2021, 4743, 5957, 6559
transposable elements 1261
promoters 1322, 5843
abscisic acid, reviews 1615
growth regulators 3543
hydroxymethylglutaryl-CoA reductase 1332
isoflavone reductase 1332
light 311, 3543
naringenin-chalcone synthase 1332
neomycin phosphotransferase
biosafety 1087
pathogenesis-related proteins 1087
pathogenesis-related proteins 1332
stress 3543
reviews 1615
techniques 1366
transcription factors 3543
protoplast fusion 1123
protoplasts
haploidy 3713
techniques 3713
quantitative traits, gene mapping, reviews 4197
random amplified polymorphic DNA 2002, 3642
development 4196
evolution 1446
polyploidy 1446
techniques 1451, 2003, 6508
restriction fragment length polymorphism 2002
development 4196
diseases 3644
evolution 1446

Plants *cont.*
restriction fragment length polymorphism *cont.*
pests 3644
polyploidy 1446
techniques 2003
RNA
isolation techniques 3136, 6566
techniques 948, 1464
RNA editing, NADH dehydrogenase 5815
secondary metabolites 6112
somaclonal variation 2307
techniques 3413
techniques 6140
tissue culture 3710-3711, 3732, 3741
automation 3742
auxins 2620
herbicide resistance 3384
micropropagation 3742
reviews 3214
secondary metabolites 3387
somatic embryogenesis 2620, 2629, 2641
reviews 4847
techniques 3743
vectors, techniques 1110
Plasma membranes
calcium, pumps, RNA, alternative splicing, hamsters 2413
desmoyokin, nucleotide sequences, mice 5046
gene expression, *Arabidopsis thaliana* 6275
genetic engineering, *Arabidopsis thaliana* 6275
nucleotide sequences, *Arabidopsis thaliana* 6275
proteins, nucleotide sequences, mice 1214
Plasmids (*see also* Vectors)
2,4-D, biodegradation, bioreactors, *Alcaligenes eutrophus* 2693
gene expression, *Petroselinum crispum* 22
gene transfer
recombination, analysis, cell lines 2763
spermatozoa, fowls 1667
targeted mutagenesis, *Lactobacillus helveticus* 1120
testes, injection, mice 6132
genes, pili, gene mapping, *Escherichia coli* 56
genetic engineering, *Petroselinum crispum* 22
genetic transformation, *Petroselinum crispum* 22
liposomes, gene transfer, mice, intravenous injection 4940
mitochondrial genetics, *Zea luxurians* 2943
molecular genetics
Agrobacterium rhizogenes 122
Agrobacterium tumefaciens 122
nucleotide sequences
Agrobacterium rhizogenes 122
Agrobacterium tumefaciens 122
Zea luxurians 2943
paraquat, detoxification, nucleotide sequences, *Pseudomonas* 2712
proteins, *Borrelia* 2255
reporter genes, gene transfer, gene expression, muscles, mice 2767
restriction mapping
Pasteurella multocida 1152
Zea luxurians 2943
toxins, gene expression, *Bacillus thuringiensis* 4343
transcription factors, promoters, eukaryotes 5159
transfection, liposomes, peptides, cell lines 2762
vectors
deletions, production, DNA sequencing 944
gene transfer, cell lines, mammals 1103
targeted mutagenesis, adenine phosphoribosyltransferase, cell lines, hamsters 5552
Plasmids *cont.*
virulence, canine parvovirus 66
Plasminogen activator
β-adrenergic receptors, gene transfer, gene expression, cell lines 2311
antisense DNA
gene expression, oocytes, mice, maternal effects 4413
gene transfer, oocytes, mice, maternal effects 4413
DNA binding proteins, nucleotide sequences, pigs 804
gene mapping, DNA hybridization, pigs 906
in vitro fertilization, mice 509
nucleotide sequences, cattle 675
promoters
gene expression, pigs 2907
nucleotide sequences, pigs 2907
protein, binding elements, transcription, regulation, rats 5750
receptors
nucleotide sequences
cattle 675
rats 6237
RNA, alternative splicing, rats 6237
regulation, c-AMP, transcription factors, pigs 804
restriction fragment length polymorphism, cattle 558
targeted mutagenesis
body weight, mice 3920
fertility, mice 3920
fibrin, mice 3920
Plasmodiophora brassicae
restriction fragment length polymorphism
Brassica napus 3896
Brassica oleracea 1711
Plasmodium, ELISA, detection, ducks 3142
Plasmodium berghei
membrane proteins
gene expression 77
gene mapping 77
nucleotide sequences 77
nucleotide sequences 82
Plasmodium chabaudi, chromosomes, DNA libraries, construction 68
Plasmodium vinckei, cysteine proteinases, nucleotide sequences 4426
Plasmodium vivax, nucleotide sequences 4429
Plastids
cell culture, *Theobroma cacao* 2100
development, plants 3030
gene expression, plants 3030
restriction fragment length polymorphism, *Zantedeschia* 5934
Plastocyanins
gene expression
Arabidopsis thaliana 1929
Spinacia oleracea 4095
genetic engineering, *Spinacia oleracea* 4084
genetic transformation
Nicotiana tabacum 1929
Solanum tuberosum 4084
mutations, *Spinacia oleracea* 4084
promoters
Arabidopsis thaliana 1929
Spinacia oleracea 4095
Platelet-activating factor, prostaglandin-endoperoxide synthase, transcription, induction, cell lines 6337
Platelet-derived growth factor
insulin-like growth factor, receptors, promoters, transcription, rats 5181
nucleotide sequences, rats 3947
Platycerium bifurcatum, tissue culture 3705
Platycodon grandiflorus, tissue culture 2277
Pleurotus
lignocellulosic wastes, biodegradation, feeds, production 5444
plant residues, biodegradation, feeds, production 5444
Pleurotus pulmonarius
biotransformation
fatty acids 6203
1-octen-3-ol 6203
tissue culture
fatty acids 6203
1-octen-3-ol 6203
Pleurotus salmoneostramineus
mutations, amino acids 4303
protoplasts, regeneration 4303
Plodia interpunctella, genetic transformation, *Juglans regia* 4983
Ploidy
anther culture
Brassica napus 6685
Triticum aestivum 6689
cell culture, *Ruta graveolens* 1572
induced mutations, *Brassica napus* 6685
somaclonal variation
Rosa hybrida 2876
Stevia rebaudiana 2874
Zea mays 623
Plum pox potyvirus
gene expression
coat proteins
Nicotiana benthamiana 2846
Nicotiana clevelandii 2846
Prunus armeniaca 2846
genetic transformation
biosafety, *Nicotiana benthamiana* 116
coat proteins
Nicotiana 1725
Nicotiana benthamiana 116, 2846
Nicotiana clevelandii 2846
Prunus armeniaca 2846
proteins, *Nicotiana tabacum* 3372
transmission, *Nicotiana benthamiana* 116
immunoassay, detection 3372
polyclonal antibodies, detection 3372
Plutella xylostella, genetic transformation, *Bacillus thuringiensis, Brassica oleracea* 88
PMSG
antibodies
effects, on reproduction, pigs 4331
superovulation
cattle 4882
reviews, cattle 1588
immunization
ovaries, follicles, development, superovulation, cattle 6069
ovulation rate, oestrous cycle, cattle 6069
oestrus
induction, sheep 3249
synchronization
fallow deer 525
sheep 1072
oocytes, maturation, pigs 6046
superovulation
cattle 508, 1068, 4795
embryos
in vitro development, mice 5425
recovery
cattle 3768
mice 5425
sheep 6693
goats 1069
Père David's deer 6058
pigs 2151
red deer 6058
Poa pratensis
flow cytometry 4888
protoplasts, regeneration 489
random amplified polymorphic DNA 4888
Podocarpus nakaii, nucleotide sequences, ribosomal DNA 5099
Podophyllotoxin
biotransformation, *Linum flavum* 2284
cell culture, *Linum flavum* 2284
Policy
biodiversity, Developing Countries 2199
biotechnology 6721
Andean Group 1647
Asia 2
books 1637
conferences 6739
Costa Rica 6122
Developing Countries 2, 556, 2199, 6117, 6121, 6724
dairy industry, biotechnology, Australia 4381
Pollen
anther culture, *Zea mays* 514
embryo culture, *Theobroma cacao* 6623
gene expression 2162

Pollen *cont.*
gene expression *cont.*
Arabidopsis thaliana 3038, 4610
Brassica napus 3493, 4655
Lilium longiflorum 20
Lycopersicon esculentum 20, 4610
Nicotiana alata 2679
Nicotiana rustica 20
Nicotiana tabacum 20, 3038, 4094, 4610, 5699
Paeonia lactiflora 20
Petunia inflata 5667, 6293
Sinapis alba 5846
Tradescantia paludosa 6321
Zea mays 271, 2431, 4094
genetic engineering
Arabidopsis thaliana 3038
Brassica napus 4655
Lycopersicon esculentum 20, 4610
genetic transformation
Arabidopsis thaliana 4610, 5343
Lilium longiflorum 20
Nicotiana rustica 20
Nicotiana tabacum 20, 3038, 4610, 4655
Paeonia lactiflora 20
in vitro culture, *Nicotiana tabacum* 3196
in vitro selection
Lycopersicon 6191
Lycopersicon esculentum 6191
induced mutations, *Theobroma cacao* 6623
molecular genetics, *Narcissus papyraceus* 5197
mutations, *Arabidopsis thaliana* 5343
nucleotide sequences
Brassica napus 3493
Nicotiana alata 2679
Nicotiana tabacum 5699
Petunia inflata 5667, 6293
Tradescantia paludosa 6321
Zea mays 2377, 6322
promoters
Arabidopsis thaliana 3038
Brassica napus 4655
Lycopersicon esculentum 4610
Nicotiana tabacum 4094
Zea mays 4094
techniques, *Zea mays* 4336

Pollen germination
gene expression
Nicotiana tabacum 6422
Zea mays 3044
gene mapping, *Zea mays* 6074
in vitro culture, *Nicotiana tabacum* 4320
molecular genetics, plants 2161
restriction fragment length polymorphism, *Zea mays* 6074

Pollination
gene expression
Nicotiana tabacum 2482
Petunia hybrida 3577
genetic transformation, *Brassica napus* 4887

Pollutants, biodegradation, bacteria, monitoring, DNA probes 2703

Polyadenylate-binding proteins, gene expression, *Pisum sativum* 6441

Polyadenylation, signals, vectors, gene expression, mammals 4928

Polyamines
cell culture, *Vitis vinifera* 3748
embryo culture
Picea abies 4831
Picea rubens 4831
gene expression, *Nicotiana tabacum* 4636
genetic transformation, *Nicotiana tabacum* 4636
tissue culture
Corylus avellana 6019
Vitis 4830

Polyclonal antibodies
ACC oxidase, *Lycopersicon esculentum* 2472
detection, plum pox potyvirus 3372

Polyethylene glycol
cell culture, *Capsicum annuum* 6650
in vitro selection, *Capsicum annuum* 6650

Polygalacturonase
DNA hybridization, *Prunus persica* 5850

Polygalacturonase *cont.*
gene expression
Brassica napus 3493
Lycopersicon esculentum 325, 861, 1328, 1378, 1892
reviews 5795
Malus pumila 5856
Nicotiana tabacum 5699
Persea americana 1923
Prunus persica 5850, 6284
Zea mays 1884
genetic engineering, *Lycopersicon esculentum* 325, 1378, 2732, 3880
genetic transformation
Lycopersicon esculentum 1328, 1378
reviews 5795
nucleotide sequences
Actinidia deliciosa 3466
Brassica napus 3493
Gibberella zeae 97
Nicotiana tabacum 5699
Persea americana 2951
Prunus persica 6284
Zea mays 1884
polymerase chain reaction, *Prunus persica* 5850
promoters, *Lycopersicon esculentum* 861

Polygalacturonase-inhibiting protein
gene expression, *Phaseolus vulgaris* 6175
gene mapping
Phaseolus coccineus 3633
Phaseolus vulgaris 3633
restriction fragment length polymorphism
Phaseolus coccineus 3633
Phaseolus vulgaris 3633

Polymerase chain reaction 2001, 3646
actin, gene mapping, satellite DNA, mice 878
Actinidia 5884
adenylate cyclase, inhibitors, targeted mutagenesis, embryonic stem cells, mice 3405
alcohol dehydrogenase
Petunia hybrida 1257
Zea mays 5674
ancient DNA, *Zea mays* 6571
androgens, receptors, messenger RNA, rats, techniques 5350
antisense DNA, plants 2021
applications, reviews 6579
arbitrary primers, applications, techniques, reviews 5320
automation 5947
books 2022, 2026-2027, 2032, 2196, 2557, 5462
Bordetella avium, diagnosis 1503
bovine oncovirus, diagnosis 416
breeds, genetic distance, cattle 6461
buffers, automation, techniques 3101
cats, *Coxiella burnetii,* detection 3154
cattle, *Coxiella burnetii,* detection 3154
chloroplast genetics
Iris fulva 1431
Iris hexagona 1431
chromosomes, *Vicia faba* 4755
cloning
chromosome translocation, techniques 1452
deletions, screening, techniques 3099
techniques 2026, 2034, 5318
Cochliobolus carbonum 1511
contamination, control, techniques 5329
Cronartium fusiforme 1510
cysteine proteinases, *Cicer arietinum* 5630
cytoplasm, *Zea mays* 4014
cytoplasmic male sterility, *Raphanus sativus* 5432
Daucus carota 5920
detection
African horse sickness virus 3153
bluetongue virus 3144
Borrelia burgdorferi 3156
Candida 3143, 3148
Coxiella burnetii 3154, 4774
eastern equine encephalitis virus
Anopheles crucians 3155
Culex erraticus 3155
emus 3155
Francisella tularensis, sheep 3146
genes, Y chromosome, goats 5960

Polymerase chain reaction *cont.*
detection *cont.*
Listeria monocytogenes
milk 3150
silage 5357
pseudohermaphroditism, goats 5960
Theileria annulata 3145
vesicular stomatitis virus 3151
diagnosis, freemartins, cattle 5334
diagnostic techniques, visna maedi virus 412
dihydrodipicolinate synthase, *Arabidopsis thaliana* 6325
DNA 5327, 5332
archaeological material, techniques, books 4371
detection
blastocyst, cattle 962
embryos, cattle 962
embryos
biopsy, cattle 4243
sex diagnosis, cattle 4799
splitting, cattle 4243
flanking, amplification, techniques 3111
genetic polymorphism, electrophoresis, ethidium bromide 940
herbaria 5348
integration, detection, transgenics, techniques 3109
isolation techniques, techniques 937
measurement, techniques 956
milk, cattle 1778
plants 5345
radiolabelling, techniques 3114
RNA, techniques 941
Zea mays 5345
DNA amplification, blood, techniques 3121
DNA fingerprinting
microorganisms 1144
reviews 6560
DNA footprinting
techniques 950
reviews 5948
DNA libraries, subtractive, techniques 3108
DNA methylation
assays 2029
techniques, reviews 5948
DNA probes
infectious bronchitis virus, diagnosis, fowls 1489
Mycoplasma iowae 1509
DNA sequencing
DNA footprinting, techniques 2032
techniques 939, 950
dogs, *Coxiella burnetii,* detection 3154
ELISA, detection, Flavivirus 3139
embryos
blastomere, biopsy, sex diagnosis, mice 960
sex diagnosis
buffaloes 2596
cattle 5359
mammals, reviews 6579
mice 977
endogenous viruses
detection, fowls 2573
genes, identification, fowls 6472
endosperm, *Zea mays* 5959
enhancement, DNA repair, enzymes, *Borrelia burgdorferi* 3115
Eperythrozoon suis, diagnosis, pigs 1496
exons
isolation, mice 4740
trapping, vertebrates 1457
ferritin, *Vigna unguiculata* 4573
freemartins, detection, cattle 909
fruits, *Prunus persica* 5850
Gaeumannomyces graminis 427
Geminivirus 410
crops 442
gene expression
embryos, techniques, mice 3658
measurement, techniques 5936
quantitative analysis, genes, multiple, techniques 3652
gene mapping
cells, hybrids 3667
techniques 4761, 5336

Polymerase chain reaction *cont.*
gene mapping *cont.*
techniques *cont.*
DNA hybridization, cell lines 2027
Triticum 4190
genes
amplification
bovine diarrhoea virus 83
transgenics
pigs 47
rabbits 47
sheep 47
butyryl-CoA dehydrogenase, detection, mice 920
copy number 5942
sex determination
embryos, sex diagnosis, mice 979
identification, vertebrates 2986
genetic disorders, embryos, identification, restriction fragment length polymorphism, cattle 6496
genetic polymorphism, detection, techniques 947
globins, mutations, detection, techniques, mice 2024
glucose-1-phosphate adenylyltransferase, *Arabidopsis thaliana* 3499
glutenins
Triticum aestivum 5887
Triticum durum 405
glycoproteins, *Solanum chacoense* 6263
Heterodera avenae, Secale cereale 4177
Hordeum spontaneum 2012
Hordeum vulgare 3090
horses, African horse sickness virus, detection 3153
hydroxymethylbilane synthase, *Pisum sativum* 1931
immunoglobulins, mice 2565
β-lactoglobulin, biochemical polymorphism, restriction fragment length polymorphism, sheep 375
legumin, *Vicia faba* 4184
Lotus japonicus 1343
major histocompatibility complex, gene mapping, rats 3988
malignant catarrhal fever virus
detection, sheep 411
nucleotide sequences, sheep 411
Malus hupehensis 394
Malus scheideckeri 394
Meloidogyne 440
Lycopersicon esculentum 378, 3912
membrane proteins, *Spinacia oleracea* 5638
microsatellites
chromosome maps, pigs 6504
detection, techniques, dogs 2030
isolation, cosmids, techniques 6580
polymorphism, electrophoresis, staining, silver 5323
species differences, evolution, vertebrates 5330
mitochondrial DNA, amplification, insects 1461
multiplex single-strand conformation polymorphism, techniques 952
Musa 928
mutagenesis, techniques 3103
mutations
avoidance, techniques 3132
detection
DNA, denaturation, techniques 2571
gene mapping, reviews 2494
techniques 940, 952
Mycobacterium, identification 1507
Mycobacterium paratuberculosis, diagnosis 1478
Mycoplasma iowae, diagnosis, fowls 1509
Mycosphaerella fijiensis, Musa 435
Mycosphaerella musicola, Musa 435
nodulation, *Glycine max* 2541
nucleoside-diphosphate kinase, *Pisum sativum* 5103
palaeobotany 5327
panhandle method, gene mapping, DNA sequencing, techniques 3112
plant hairs, *Arabidopsis thaliana* 6303

Polymerase chain reaction *cont.*
polygalacturonase, *Prunus persica* 5850
primers, selection, viruses, computer software 4742
prion protein, scrapie, genetic polymorphism, sheep 901
products
detection, fluorescent dyes, techniques 5341
microsatellites, polymorphism, fluorescence, labelling 5323
prolamins, *Oryza sativa* 349
proline-rich proteins, *Glycine max* 6550
proto-oncogenes
dimethyl sulfoxide, mice 2570
techniques 5951
random amplified polymorphic DNA
temperate fruits 5904
Zea mays 5941
random primers, RNA, amplification, techniques, reviews 3107
repetitive DNA
Aegilops 5295
Arabidopsis thaliana 6554
Helianthus annuus 3628
Triticum 5295
Zea mays 2006
restriction fragment length polymorphism, multiple intestinal neoplasia, mice 889
restriction mapping, techniques 3119
reverse transcriptase, plants 1261
ribosomal DNA
Astragalus 2378
Heterodera 3359
Hordeum vulgare 4707
ripening, *Prunus persica* 5850
RNA, alternative splicing, techniques 2022
Salmonella, diagnosis 1477
satellite DNA, *Arabidopsis thaliana* 6554
Secale cereale 3090
secalins
Secale cereale 4722
triticale 4722
Triticum aestivum 4722
seeds
plants 5345
Zea mays 5345
self incompatibility
Brassica 6545
Secale cereale 5431
Solanum chacoense 6263
serotypes, differential diagnosis, infectious bronchitis virus 1490
sex chromosomes
chimaeras, detection, twinning, cattle 5334
detection
erythrocytes, cattle 2031
semen, cattle 2031
sex determination, embryos, cattle 964
sex diagnosis
blastocyst, cattle 962
blastomere, cattle 903
chromosomes, marker genes, techniques 5250
embryos
cattle 962
DNA probes, Y chromosome, pigs 5352
siderophores, *Ustilago zeae* 1177
signal recognition protein, *Arabidopsis thaliana* 3487
single specific primer, chromosome walking, techniques 5347
single strand conformation polymorphism, major histocompatibility complex, fowls 5863
Solanum tuberosum 3090
species
identification
Anopheles 1703
Anopheles gambiae 1498
spermatozoa, chimaeras, identification, mice 3876
spermidine
Gossypium herbaceum 4220
Gossypium hirsutum 4220
Gossypium laxum 4220

Polymerase chain reaction *cont.*
sucrose-phosphate synthase, *Spinacia oleracea* 220
T lymphocytes, receptors, mitotic recombination, diabetes, mice 1303
targeted mutagenesis, embryonic stem cells, techniques 3120
Taylorella equigenitalis, detection 1471
techniques 406, 942, 1458, 2559, 2567, 3129, 4199, 5944, 5958
Arabidopsis thaliana 407
bacteria 4757
fungi 4757
gene mapping 953
nucleotide sequences 953
plants 1466, 2021, 4743, 5957, 6559
reviews 3670
Triticum aestivum 2020
Vicia faba 4755
Theileria sergenti, diagnosis 1504
transfer RNA
Helianthus annuus 6255
Nicotiana rustica 5700
transgenics
detection
blastocyst, cattle 962
embryos, cattle 962
identification, techniques, mice 2557
transposable elements
detection, insects 1684
Lycopersicon esculentum 4191
Lycopersicon pennellii 4191
plants 1261
Triticum dicoccoides
gliadin 4726
glutenins 4726
uridine monophosphate synthase, deficiency diseases, detection, embryos, cattle 5961
variety classification
Brassica 6545
cereals 6537
Gossypium herbaceum 5889
Gossypium hirsutum 5889
Lycopersicon 5889
Polymnia sonchifolia
tissue culture 2637, 5991
somaclonal variation 3192
Polymorphism
microsatellites
polymerase chain reaction
electrophoresis, staining, silver 5323
products, fluorescence, labelling 5323
nucleotide sequences, statistical analysis 4523
repetitive DNA, T lymphocytes, receptors, Artiodactyla 1393
satellite DNA, major histocompatibility complex, mice 2529
Polypeptide *N*-acetylgalactosaminyltransferase
gene expression
Baculoviridae, insects, cells 5581
cattle 5578
nucleotide sequences, cattle 5578, 5581
Polypeptides
blood vessels
smooth muscle
gene expression, rabbits 248
nucleotide sequences, rabbits 248
ribonucleoproteins
nucleotide sequences, rats 5037
RNA, alternative splicing, rats 5037
Polyphenols, tissue culture, *Cornus kousa* 4459
Polyploidy
flow cytometry, *Vaccinium* 2023
ovule culture, *Beta vulgaris* 6683
random amplified polymorphic DNA, plants 1446
restriction fragment length polymorphism
Glycine tomentella 6538
plants 1446
tissue culture
Cucumis melo 2611
Larix decidua 4874
Polysaccharides, cell culture, *Panax pseudoginseng* 2276

Polyubiquitin
gene expression, *Zea mays* 5662
nucleotide sequences, *Zea mays* 5662
Poncirus, restriction fragment length polymorphism, chloroplast genetics 5933
Poncirus trifoliata
embryo culture, gamma radiation 2670
genetic transformation 6145
ovule culture, gamma radiation 2670
Population genetics, genetic engineering 1623
Populations
mitochondrial DNA
fishes 5871
restriction fragment length polymorphism, mollusca 1392
Populus
anther culture, somatic embryogenesis 4875
embryo culture, hybridization 4839
gene expression
β-glucuronidase 6561
techniques 6561
genetic engineering, reviews 3841
genetic transformation
proteinase inhibitors 1173
protoplasts 4390
reviews 3841
techniques 4392
in vitro selection
Coryneum populinum 3377
Hypoxylon mammatum 2296
nucleotide sequences, dihydrodipicolinate synthase 6325
random amplified polymorphic DNA
taxonomy 4702
variety classification 4702
restriction fragment length polymorphism, *Pemphigus betae* 932
somaclonal variation
2,4-D 5556
gas exchange 5556
leaves 5556-5557
morphology 2296, 5557
Populus alba
genetic transformation
Bacillus thuringiensis 3858
transposable elements 3858
Populus balsamifera, restriction fragment length polymorphism, ribosomal DNA 4729
Populus canescens
genetic transformation
Agrobacterium tumefaciens 5488
cytokinins 5488
Populus deltoides
gene expression, injuries 1251
nucleotide sequences
injuries 1251
storage proteins 2936
Populus grandidentata
genetic transformation
Bacillus thuringiensis 3858
transposable elements 3858
random amplified polymorphic DNA, variety classification 4724
restriction fragment length polymorphism, variety classification 4724
Populus interamericana, nucleotide sequences, adenosylmethionine synthetase 2939
Populus nigra
genetic transformation
Agrobacterium tumefaciens 3853
Apocheima cinerarius 3378
Lymantria dispar 3378
interspecific hybridization 4835
somaclonal variation, *Mycosphaerella populorum* 4835
tissue culture 3187, 4835
transgenics
Apocheima cinerarius 3378
Lymantria dispar 3378
Populus tremuloides
random amplified polymorphic DNA, variety classification 4724
restriction fragment length polymorphism 4181
variety classification 4724
Populus trichocarpa
gene expression, injuries 1251
Populus trichocarpa *cont.*
interspecific hybridization 4835
nucleotide sequences, injuries 1251
somaclonal variation, *Mycosphaerella populorum* 4835
tissue culture 4835
Porcine adenovirus
nucleotide sequences, strain differences 1147
restriction mapping, strain differences 1147
Porcine reproductive and respiratory syndrome, Lelystad virus, nucleotide sequences 74
Porcine stress syndrome, ryanodine, receptors, restriction fragment length polymorphism, pigs 358
Porphyromonas gingivalis, strains, identification, random amplified polymorphic DNA 1150
Porteresia coarctata, protoplast fusion 463
Portugal
conferences, 5th International Symposium on Animal Reproduction 3679-3681, 3684-3685, 3767
embryo transfer, pregnancy rate, cattle 3680
Position effect
gene dosage, *Nicotiana tabacum* 4630
gene expression, *Nicotiana tabacum* 4630, 5793
genetic transformation, *Nicotiana tabacum* 4630, 5793
Potassium
channels
gene expression
brain
mice 3612
rats 2905
heart, rats 2905, 3430
mice 2883
rabbits 6234
smooth muscle, colon, dogs 5045
gene mapping, restriction fragment length polymorphism, mice 3058, 3612
nucleotide sequences
brain, rats 2905
heart, rats 2905, 3430, 6223
kidneys, rabbits 5032
mice 2883, 5025, 5082
rabbits 6234
smooth muscle, colon, dogs 5045
RNA, alternative splicing, mice 2883
in vitro development, embryos, mice 2601
Potato leaf roll luteovirus
ELISA
detection 2587
Myzus persicae 2587
genetic transformation, coat proteins, *Nicotiana tabacum* 2833
monoclonal antibodies, detection 2587
Potato spindle tuber viroid, *Nicotiana tabacum* 5854
Potato X potexvirus
gene expression
Nicotiana benthamiana 2279
Nicotiana tabacum 2279
Solanum tuberosum 2279, 3889
genetic engineering 110
Phytolacca americana 2279
genetic transformation
Nicotiana benthamiana 2279
Nicotiana clevelandii 118
Nicotiana tabacum 118, 2279
replicase, *Nicotiana tabacum* 3890
Solanum tuberosum 129, 2279
restriction fragment length polymorphism, *Solanum tuberosum* 6525
Potato Y potyvirus
gene expression
Nicotiana benthamiana 2279
Nicotiana tabacum 2279
Solanum tuberosum 2279
genetic engineering, *Phytolacca americana* 2279
genetic transformation
coat proteins
Nicotiana 1725
Nicotiana tabacum 102
Potato Y potyvirus *cont.*
genetic transformation *cont.*
disease resistance, *Nicotiana tabacum* 48
Nicotiana benthamiana 2279
Nicotiana tabacum 2279
Solanum tuberosum 2279
restriction fragment length polymorphism, *Solanum tuberosum* 6525
Poultry
disease resistance, molecular genetics, reviews 601
recombinant vaccines, vectors 3385
vaccines, subunit 3385
Poultry manure
anaerobic digestion, economics, environment 2698
application to land, biodegradation, Saudi Arabia 3785
cattle dung, whey, anaerobic digestion, methane production, temperature, retention 6708
combustion, economics, environment 2698
composting 2706
economics, environment 2698
Poultry waste, anaerobic digestion, surfactants, methane production 6707
Pregnancy
antisense DNA, toxicity, mice 2861
chimaeras, sheep, goats 2059
cytokines, receptors, transcription, liver, mice 5761
embryos, *in vitro* development, cattle 1513
GnRH, gene expression, mammary glands, rats 5175
oocytes
in vitro fertilization, cattle 1513
recovery, FSH, cattle 2129
Pregnancy diagnosis
oestrogens, in blood, deer 530
pregnancy specific protein
blood, cattle 3247
in blood, deer 530
progesterone
blood, cattle 3247
in blood, goats 5421
ultrasonics
goats 1594
sheep 522, 528
Pregnancy rate
artificial insemination
oestrus, synchronization, cattle 6695
site, semen, freezing, sheep 6697
chimaeras, sheep, goats 3683
embryo transfer
breed differences, recipients, rabbits 1537
buffaloes 3162
camels 2603
cattle 2045, 3240, 3681, 3685, 4795
culture media, granulosa cells, cattle 4781
deer 6696
embryos
biopsy, cattle 903, 5359
blastomere
biopsy, mice 958
electrofusion, cattle 2609
DNA, injection, cattle 4784
freezing
cats 6604
cattle 975, 3680, 5369, 5374
mice 1512, 4234
splitting
cattle 5359
goats 2605
pigs 4800, 5377
sheep 4803
trophoblast, cattle 6599
vitrification
cattle 451
horses 6596
mice 2061
zona pellucida, drilling, sheep 4240
fallow deer 3160
gaur 4858
horses 4788
mice 5425

Pregnancy rate *cont.*
embryo transfer *cont.*
nutrition, goats 4791
oocytes
freezing
hamsters 6050
mice 4867, 6050
in vitro fertilization, cattle 455
in vitro maturation, horses 4241
Père David's deer 6058
pigs 2151, 4780
Portugal, cattle 3680
red deer 3160, 6058
sheep 2607, 6696
spermatozoa, freezing, mice 3756
to oviducts, rabbits 3677
embryos
cooling, mice 2047
splitting
embryo transfer, buffaloes 1533
mice 2047
vitrification, sheep 3675
gametes, freezing, mice 3686
HCG, sheep 4333
nuclei
transfer
blastomere, embryo transfer, mice 3688
oocytes, embryo transfer, cattle 4237
oestrus
synchronization
buffaloes 523
fallow deer 525
oocytes, nuclei, transfer, cattle 2045
progesterone, sheep 4333
somatotropin, cattle 3255
Pregnancy specific protein, in blood, pregnancy diagnosis, deer 530
Preprotachykinin
nucleotide sequences
rabbits 5058
rats 4504
Pressure
heart, proto-oncogenes, promoters, activation, targeted mutagenesis, rats 2205
triploidy
induction
fishes 1593
ova, fishes 5426
Primordial germ cells
chimaeras, fowls 596
embryos, cell culture, c-AMP, mice 1517
gene transfer, retroviral vectors, transgenics, fowls 1696
transfer, chimaeras, intraspecific, fertility, fowls 978
Prion protein
gene expression, transgenics, mice 2832
genes, restriction fragment length polymorphism, disease resistance, scrapie, sheep 902
scrapie
genetic polymorphism, polymerase chain reaction, sheep 901
infection, transgenics, mice 5493
nucleotide sequences, sheep 901
transgenics, scrapie, mice 3873
Prions
animal models, books 5466
gene expression, scrapie, transgenics, mice 593
replication, nervous system diseases, reviews 4978
targeted mutagenesis, mice, reviews 4974
Pro-opiomelanocortin, gene mapping, restriction fragment length polymorphism, cell fusion, hybridization, cattle 4688
Probasin
gene expression, regulation, androgens, rats 691
promoters
nucleotide sequences, rats 691
reporter genes, gene expression, prostate, transgenics, mice 4407
Probiotics
Bacillus coagulans, biomass, feed conversion efficiency 5436
Probiotics *cont.*
Bifidobacterium, liveweight gain, pigs 2690
blood composition, cattle 4340
carcass quality, cattle 4340
disease resistance, intestinal microorganisms, livestock 4892
nitrogen, excretion, feed additives, pigs, reviews 5437
oilseeds, conferences 6081
somatotropin, yeasts, fishes 5438
Prochymosin, restriction fragment length polymorphism, cattle 370
Prodynorphin, promoters, gene expression, rats 4576
Profilins
gene expression, *Zea mays* 743
molecular genetics, *Zea mays* 4077
nucleotide sequences, *Zea mays* 743
Profitability
biotechnology, ethics 3277
transgenics, livestock, production, time 3272
Progesterone
embryos, *in vivo* development, sheep 4333
genes, activation, mammals, reviews 4042
in blood
embryos, recovery, cattle 3767
pregnancy diagnosis, goats 5421
oestrus
induction, sheep 2148
synchronization
cattle 6063
fallow deer 525
goats 1595
sheep 1595
pregnancy diagnosis, blood, cattle 3247
pregnancy rate, sheep 4333
prolactin, blastokinin, transcription, regulation, rabbits 794
receptors
DNA, binding site, fowls 815
gene expression, embryonic development, mice 1852
promoters
gene expression
c-AMP, rats 3960
oestrogens, rats 3960
nucleotide sequences, rats 3960
transcription
c-AMP, rats 4054
HCG, rats 4054
response elements, uteroferrin, promoters, rabbits 5743
Progestogens
oestrus
induction, sheep 3249
synchronization
cattle 2674, 2677, 6695
goats 4328
ruminants 4330
sheep 1072
superovulation, sheep 2673
Prohibitin, nucleotide sequences, testes, rats 5029
Prolactin
antisense DNA, gene transfer, brain, animals, reviews 4577
DNA binding proteins, gene expression, sheep 3987
DNA methylation, DNA binding proteins, rats 5339
ELISA, detection, rats 4765
gene expression
inhibition
DNA binding proteins, rats 4035
steroid hormones, receptors, cattle 4032
transcription factors, RNA, alternative splicing, rats 4575
mammary gland factor, gene expression, mammary glands, rats 5184
nucleotide sequences, fishes 6229
oocytes, *in vitro* maturation, pigs 4852
production, *Escherichia coli,* turkeys 2273
progesterone, blastokinin, transcription, regulation, rabbits 794
Prolactin *cont.*
promoters, activation, pituitary, adenylate cyclase, activating polypeptide, rats 5723
protein binding elements, interferon, regulatory factor, promoters, rats 4497
receptors
gene expression, cattle 5034
nucleotide sequences, cattle 5034
somatotropin, pituitary, transgenics, mice 6705
Prolamins
gametoclonal variation, triticale 1754
gene expression
Hordeum vulgare 319
Nicotiana tabacum 289
Oryza sativa 349, 5814
genetic engineering, *Oryza sativa* 289, 349
genetic transformation
Hordeum vulgare 319
Nicotiana tabacum 289
nucleotide sequences, *Oryza sativa* 225, 6333
polymerase chain reaction, *Oryza sativa* 349
promoters
Hordeum vulgare 319
Nicotiana tabacum 289
Proline
gene expression, plants 542
genetic engineering, plants 542
Proline-rich proteins
DNA binding proteins, gene expression, salivary glands, rats 188
gene expression
Brassica napus 3472
Nicotiana tabacum 2482
Phaseolus vulgaris 3580
nucleotide sequences
Brassica napus 3472
Medicago truncatula 6329
polymerase chain reaction, *Glycine max* 6550
RNA binding proteins, *Phaseolus vulgaris* 3580
Promoters
abscisic acid
Arabidopsis thaliana 5092
Craterostigma plantagineum 4634, 4901
Helianthus annuus 5834
Nicotiana tabacum 5834
plants, reviews 1615
ACC oxidase, *Arabidopsis thaliana* 334
ACC synthase, *Arabidopsis thaliana* 334
acetyl-CoA carboxylase, transcription, DNA binding proteins, rats 5187
acetylcholine
receptors
nucleotide sequences, rats 5195
transcription, DNA binding proteins, rats 5195
acid phosphatase
gene expression, iron, mice 2978
Glycine max 5839
actin
gene expression
fowls 2235
transgenics, embryos, mice 2235
gene transfer
gene expression
muscles, mice 3322
myocardium, mice 3322
Oryza sativa 51, 354, 1885
transcription, regulation, transgenics, fishes 590
activation
G proteins, retinoic acid, cell lines, mice 5028
prolactin, pituitary, adenylate cyclase, activating polypeptide, rats 5723
proto-oncogenes, pressure, heart, targeted mutagenesis, rats 2205
adenosine deaminase, transcription, mice 2382
adenosinetriphosphatase
Nicotiana plumbaginifolia 4605
Zea mays 5953

Promoters *cont.*
Adenoviridae
DNA binding proteins, transcription, animals 5165
vectors, gene expression, enhancement, cell lines 2770
Agrobacterium
Hordeum vulgare 2776
Nicotiana tabacum 2776
Agrobacterium rhizogenes, Nicotiana tabacum 506, 5857
Agrobacterium tumefaciens 286, 3571
Nicotiana tabacum 294, 6264
Solanum tuberosum 6264
D-alanine transaminase
DNA binding proteins
cell lines 249
rats 249
albumins, *Arabidopsis thaliana* 4607
alcohol dehydrogenase
mice 256
Zea mays 4638, 5818
alfalfa mosaic alfamovirus
Nicotiana tabacum 3018
Picea glauca 3018
α-amylase
Hordeum vulgare 2475, 6421
Oryza sativa 6430, 6447
amylin, gene expression, regulation, rats 3540
androgen-regulated protein, gene expression, mice 664
androgens
binding proteins, rats 1320
receptors
gene expression
c-AMP, mice 4048
mice 5146
rats 828
nucleotide sequences, rats 828
angiotensin converting enzyme, gene expression, spermatozoa, mice 5733
annexins, nucleotide sequences, fowls 3448
anthocyanins
Antirrhinum majus 2469
Petunia hybrida 2469
Zea mays 2373, 2437, 2469
antisense DNA, *Lycopersicon esculentum* 4104
apolipoproteins
gene expression, liver, transgenics, mice 3871
transcription, regulation, transgenics, mice 594
argininosuccinate lyase, nucleotide sequences, brain, rats 3955
aromatic-L-amino-acid decarboxylase, *Catharanthus roseus* 2357
arrestin, gene expression, DNA binding proteins, mice 5737
ascorbate oxidase, *Nicotiana tabacum* 6415
asparaginase, *Lupinus angustifolius* 6378
auxin binding proteins, *Zea mays* 338
auxins
Glycine max 5822
Hordeum vulgare 2776
Nicotiana tabacum 2776
binding elements, vitamin D, receptors, intestines, fowls 4578
blastokinin, gene expression, rabbits 794
bone morphogenetic protein, nucleotide sequences, mice 2906
C-reactive protein, gene expression, liver, mice 5741
calcium, adenosinetriphosphatase, transcription factors, rabbits 829
calmodulin, *Arabidopsis thaliana* 3991
casein
DNA footprinting, rats 3007
gene expression, hormonal control, mice 790
cauliflower mosaic caulimovirus 3571
Nicotiana tabacum 1331, 5836
cellobiohydrolase II, *Trichoderma longibrachiatum* 2315
ceruloplasmin, DNA binding proteins, transcription, rats 3505
chitinase, *Nicotiana tabacum* 4431

Promoters *cont.*
chlorophyll
Oryza sativa 5782
Spinacia oleracea 5782
chlorophyll *a/b* binding protein, *Arabidopsis thaliana* 5221
chloroplast genetics, *Oryza sativa* 6363
choriomammotropin, gene expression, trophoblast, cell lines 822
circadian rhythm, *Lycopersicon esculentum* 846
cloning, plants 1322
α-coixin
Coix lacryma-jobi 4117
Zea mays 4117
cold, *Arabidopsis thaliana* 5092
cold resistance, *Arabidopsis thaliana* 3790
collagen
DNA binding proteins, mice 3518
gene expression
mice 3958
skull
transgenics
c-AMP, mice 37
parathyrin, mice 37
transgenics, cell lines, mice 5740
β-conglycinin
Glycine max 3552
Nicotiana tabacum 3552
cruciferin, *Brassica napus* 6383
crystallins, transcription factors, fowls 252
cystatin, gene expression, rats 652
cytochrome-*c* oxidase, *Zea mays* 5953
cytochrome P450 aromatase, transcription, c-AMP, cell lines 778
cytochromes
DNA binding proteins, liver, rats, cell lines 4585
nucleotide sequences, sheep 6222
desiccation, *Craterostigma plantagineum* 4901
development, *Arabidopsis thaliana* 860
diazepam binding inhibitor, transcription, rats 5053
DNA binding proteins
Agrobacterium tumefaciens 2380
Arabidopsis thaliana 5526
Avena sativa 4101
Coix lacryma-jobi 4117
gene expression, muscles, development, mice 791
Glycine max 5820
Hordeum vulgare 2475
Nicotiana tabacum 321, 5833
Oryza sativa 4101, 5782
Petroselinum crispum 5526
restriction fragment length polymorphism, mice 791
Spinacia oleracea 5782
Zea mays 4117
drought, *Arabidopsis thaliana* 5092
drought resistance, *Arabidopsis thaliana* 2722
elicitors
Arabidopsis thaliana 5526
Petroselinum crispum 5526
embryogenesis
Glycine max 5808
Helianthus annuus 5834
Nicotiana tabacum 5834
embryonic development, mice 2422
endotoxins, nucleotide sequences, *Bacillus thuringiensis* subsp. *israelensis* 3261
enkephalins, transcription, DNA binding proteins, spermatogenesis, transgenics, mice 1126
ethylene
Arabidopsis thaliana 334
Nicotiana tabacum 1361
eukaryotes, plasmids, transcription factors 5159
extensin, *Nicotiana plumbaginifolia* 2265
fatty acids, binding proteins, gene expression, transgenics, mice 5758
α-fetoprotein, enhancers, transcription, rats 838
fibronectins, c-AMP, response element, DNA binding proteins, rats 3533

Promoters *cont.*
filamin, nucleotide sequences, fowls 2316
flavonoids
Antirrhinum majus 3035
Nicotiana tabacum 3035
flowers
Lycopersicon esculentum 4104
Petunia 309
β-fructofuranosidase, *Daucus carota* 329
G proteins, nucleotide sequences, mice 5028
gene expression
Arabidopsis thaliana 2461
Daucus carota 1374
Oryza sativa 1330
Saccharum officinarum 1374
genes
homeo box, DNA binding proteins, fowls 5167
retina, development, nucleotide sequences, quails 2411
genetic transformation
Daucus carota 1374
Oryza sativa 1330
Saccharum officinarum 1374
superoxide dismutase, *Nicotiana plumbaginifolia* 4616
gibberellic acid, *Oryza sativa* 6430
gibberellins
Hordeum vulgare 2475, 6421
Oryza sativa 6447
gliadin, *Triticum aestivum* 541
globins
chromatin, nucleosomes, assembly, fowls 5166
DNA binding proteins, cell lines, mice 5759
gene expression, transgenics, mice 4972
targeted mutagenesis, marker genes 5325
transcription
chromatin
structure
cell lines 770
fowls 770
β-glucanase
Nicotiana tabacum 5534
Nicotiana tomentosiformis 5534
Hordeum vulgare 1917
Nicotiana tabacum 3040
glucose-1-phosphate adenylyltransferase, *Solanum tuberosum* 5668
glutamate-ammonia ligase, *Nicotiana tabacum* 3497
γ-glutamyltransferase, transcription, cell lines 5183
glutelins
Nicotiana tabacum 6444
Oryza sativa 353, 6444
glutenins, *Triticum aestivum* 295, 541
glyceraldehyde-3-phosphate dehydrogenase, *Arabidopsis thaliana* 6399
Glycine max 284
glycinin, *Glycine max* 5808
glycogen phosphorylase, nucleotide sequences, rats 668
glycoproteins
hormones, transcription, thyroid hormones, targeted mutagenesis, cell lines 1318
transcription, guineapigs 3989
granulocytes, colony stimulating factor, gene expression, mice 5169
growth regulators, plants 3543
haemoglobin, gene expression, transgenics, pigs 3337
heat shock, *Triticum aestivum* 541
heat shock proteins
Arabidopsis thaliana 5849
DNA binding proteins, gene expression, rats 3000
gene expression, testes, mice 2819
genetically engineered microorganisms 5849
Glycine max 6558
nucleotide sequences, rats 3000
yeasts 5849
helianthinin
Helianthus annuus 5834

Promoters *cont.*
helianthinin *cont.*
Nicotiana tabacum 5834
heme oxygenase, nucleotide sequences, rats 3000
Herpesviridae, vectors, gene expression, cell lines, mammals 5013
Heterodera schachtii
Arabidopsis thaliana 1889
Nicotiana tabacum 1889
histones
Triticum aestivum 1368
Zea mays 276-277
homeo box, *Arabidopsis thaliana* 860
homeotic genes
Lycopersicon esculentum 4104
Petunia 309
hordein, *Hordeum vulgare* 319
hydroxymethylglutaryl-CoA reductase
Camptotheca acuminata 1878
plants 1332
reporter genes, gene expression, transgenics, mice 3527
hydroxyproline-rich proteins 5801
hyoscyamine (6*S*)-dioxygenase, *Hyoscyamus niger* 6276
immunoglobulins, DNA binding proteins, mice 4063
injuries, *Oryza sativa* 51
insulin, transcription, induction, glucose, rats 3531
insulin-like growth factor
DNA binding proteins, gene expression, cell lines 2996
receptors, transcription, platelet-derived growth factor, rats 5181
integrins
nucleotide sequences, cell lines 2387
transcription, vitamin D, cell lines 2387
transcription factors, cell lines 2387
interferon
preimplantation, trophoblast, DNA binding proteins, gene expression, sheep 5160
regulatory factor, prolactin, protein binding elements, rats 4497
interleukins
DNA binding proteins, mice 5141
targeted mutagenesis, gene expression, mice 5138
involucrin
gene expression
hair, transgenics, mice 3325
skin, transgenics, mice 3325
isocitrate lyase, *Brassica napus* 4655
isoflavone reductase, plants 1332
keratin
gene expression
rabbits 5194
transgenics, mice 2386
kininogens
nucleotide sequences, rats 2388
transcription, DNA binding proteins, interleukins, rats 2388
β-lactoglobulin, gene expression, hormonal control, mammary glands, mice 4963
lectins, *Pisum sativum* 322
leghaemoglobin
Glycine max 330, 339, 5820
Lotus corniculatus 1383, 4651
Sesbania rostrata 4651
LH, receptors, nucleotide sequences, rats 5148
light
Arabidopsis thaliana 311, 6399
Lycopersicon esculentum 846
Petroselinum crispum 4082
plants 311, 3543
Solanum tuberosum 1365
Spinacia oleracea 4623
lipoxygenase, *Pisum sativum* 4069
liver cells, cholesterol 7α-monooxygenase, rats 2991
lungs, surfactants, transcription, cell lines 1199
macrophages
colony stimulating factor
gene expression, mice 5169
Promoters *cont.*
macrophages *cont.*
colony stimulating factor *cont.*
receptors
gene expression, cell lines 2425
transcription, cell lines 2425
major histocompatibility complex, gene expression, interferon, mice 5189
malate synthase, *Brassica napus* 4655
mannopine synthase, *Nicotiana tabacum* 294, 869
marker genes, gene expression, adipocytes, rats 4759
Meloidogyne, Nicotiana tabacum 2849
Meloidogyne incognita
Arabidopsis thaliana 1889
Nicotiana tabacum 1889
membrane proteins
nucleotide sequences
Borrelia afzelii 3883
Borrelia burgdorferi 3883
Borrelia garinii 3883
metallothionein, transcription, activation, mice 3008
methyl jasmonate, *Nicotiana tabacum* 1900
milk proteins, gene expression, transgenics, rats 5504
myelin basic protein, embryos, mice 3522
myogenin
gene expression
muscles, denervation, transgenics, mice 5139
transgenics, embryos, mice 2988
myosins
muscles, transgenics, mice 3332
transcription factors, gene expression, heart, fowls 5767
napin, *Brassica napus* 1921, 6383
naringenin-chalcone synthase
Petroselinum crispum 4082
plants 1332
Sinapis alba 4642
neomycin phosphotransferase
biosafety, plants 1087
pathogenesis-related proteins, plants 1087
neural cell adhesion molecule, gene expression, cell lines, rats 2983
neurofilaments
gene expression
brain, transgenics, mice 3336
eye lens, transgenics, mice 3336
muscles, transgenics, mice 3336
Nicotiana tabacum 4602
nitrite reductase, *Spinacia oleracea* 331, 2463
nitrogen, *Hordeum vulgare* 319
nitrogen fixation, *Lotus corniculatus* 4651
nodulins, *Glycine max* 1910
nopaline, *Agrobacterium tumefaciens* 2380
nopaline synthase, *Nicotiana tabacum* 3559
nucleotide sequences, *Petunia hybrida* 733
oleosins
Arabidopsis thaliana 5835
Brassica napus 3558
ornithine carbamoyltransferase, transcription factors, fowls 793
ornithine-oxo-acid transaminase, gene expression, rats 700
osmotin, *Nicotiana tabacum* 3568
osteocalcin, gene expression, vitamin D, transgenics, mice 36
osteonectin, DNA binding proteins, cattle 2993
ovalbumin
transcription factors
gene expression, embryos, mice 5176
peroxisome proliferator responsive element, binding, fowls 5747
oxytocin, rats 2383
patatin, *Solanum tuberosum* 5208
pathogenesis-related proteins
Arabidopsis thaliana 5526
Promoters *cont.*
pathogenesis-related proteins *cont.*
Asparagus officinalis 5853
Nicotiana tabacum 288, 300, 1361, 3568, 4431, 5534
Nicotiana tomentosiformis 5534
Petroselinum crispum 5526
plants 1332
peroxidases
Amoracia rusticana 5812
Arabidopsis thaliana 3022
Armoracia rusticana 3028
Petunia 4602
β-phaseolin, *Phaseolus vulgaris* 5214
phosphate, *Glycine max* 5839
phosphoglycerate kinase, vectors, cells, mammals 2761
phospholipase C, transcription, rats 4584
photosynthesis
Arabidopsis thaliana 5221
Oryza sativa 6363
Spinacia oleracea 4623
photosystem I, *Solanum tuberosum* 1365
phytochrome
Arabidopsis thaliana 3042
Avena sativa 4101, 5120
Oryza sativa 4101
plant hairs, *Arabidopsis thaliana* 2455
plants 1322, 5843
plasminogen activator
gene expression, pigs 2907
nucleotide sequences, pigs 2907
plastocyanins
Arabidopsis thaliana 1929
Spinacia oleracea 4095
pollen
Arabidopsis thaliana 3038
Brassica napus 4655
Lycopersicon esculentum 4610
Nicotiana tabacum 4094
Zea mays 4094
polygalacturonase, *Lycopersicon esculentum* 861
probasin
nucleotide sequences, rats 691
reporter genes, gene expression, prostate, transgenics, mice 4407
prodynorphin, gene expression, rats 4576
progesterone
receptors
gene expression
c-AMP, rats 3960
oestrogens, rats 3960
nucleotide sequences, rats 3960
transcription
c-AMP, rats 4054
HCG, rats 4054
prokaryotes, gene expression, regulation, eukaryotes, reviews 3844
prolamins
Hordeum vulgare 319
Nicotiana tabacum 289
protein, binding elements, plasminogen activator, transcription, regulation, rats 5750
protein binding elements, myeloperoxidase, mice 5760
protein-glutamine γ-glutamyltransferase
gene expression, guineapigs 4522
nucleotide sequences, guineapigs 4522
protein kinase, binding proteins, brain, rats 769
proteinase inhibitors, *Oryza sativa* 51
proto-oncogenes
DNA binding proteins
DNA, structure, mice 5170
mice 5180
nucleotide sequences, mice 1792
transcription, genes, sex determination, rats 5142
transcription factors, mice 3529
regulation
creatine kinase
muscles
heart, rabbits 5764
skeleton, rabbits 5764
DNA binding proteins, prostate, androgens, receptors, cell lines 2984

Promoters *cont.*
regulation *cont.*
somatotropin
retinoic acid, rats 2989
triiodothyronine, rats 2989
renin
gene expression
kidneys, cell lines 3338
transgenics, mice 3338
reporter genes
transcription
c-AMP, cell lines, mice 4595
proto-oncogenes, cell lines, mice 4595
repetitive DNA, *Cucumis sativus* 352
response elements, thyroid hormones, receptors, mice 5151
ribosomal DNA
Arabidopsis thaliana 283
Cucumis sativus 352
Zea mays 5953
ribosomal RNA, transcription factors, rats 782
ribosomes
nucleotide sequences, fowls 4516
proteins
gene expression
fowls 3968
mice 771
Solanum tuberosum 3478
Spinacia oleracea 2478
ribulose-bisphosphate carboxylase, *Pisum sativum* 3553
ribulose-bisphosphate carboxylase activase, *Spinacia oleracea* 3565
ripening, *Lycopersicon esculentum* 861
RNA polymerase, transcription, proteins, activator 4574
roots, *Manihot esculenta* 3011
Saccharum 1885
salicylic acid, *Nicotiana tabacum* 1900, 5836
salinity, *Arabidopsis thaliana* 2722
seeds
Arabidopsis thaliana 5835
Glycine max 3552
Helianthus annuus 5834
Nicotiana tabacum 3552, 5834
Pisum sativum 322
selectable markers
Oryza sativa 5481
Triticum aestivum 5481
self incompatibility, *Brassica napus* 533
senescence, *Nicotiana tabacum* 869
sex determination, nucleotide sequences, mice 4515
simian virus 40, gene expression, adipocytes, mice 831
small nuclear RNA, *Arabidopsis thaliana* 3017, 4089
somatolactin, gene expression, fishes 4053
somatotropin
DNA binding proteins
pituitary, fishes 3010
transcription, fishes 2979
gene expression
metallothionein, transgenics, mice 3780
rats 4039
transcription factors, rats 5164
triiodothyronine, response elements, rats 5143
starch, *Solanum tuberosum* 5668
starch synthase, *Oryza sativa* 307
steroid 21-monooxygenase, gene expression, mice 5752
stress
Arabidopsis thaliana 2722, 4358
Lemna gibba 6437
plants 3543
reviews 1615
sucrose
Glycine max 5202, 5839
Nicotiana tabacum 5857
surfactant protein, oncogenes, transgenics, cell lines, mice 2313
T lymphocytes, receptors, transcription, mice 5722
techniques
cereals 4627

Promoters *cont.*
techniques *cont.*
plants 1366
thrombomodulin
endogenous viruses, insertion, strain differences, mice 657
gene expression, mice 3971
nucleotide sequences, mice 3971
thyroprotein, receptors, DNA binding proteins, c-AMP, response element, rats 2416
tobacco mosaic tobamovirus, *Nicotiana tabacum* 1331
transcription factors
embryos, mice 4060
genes, housekeeping, cell lines 165
insulin-like growth factor, mice 768
liver, gene expression, cell lines 807
nervous system, gene expression, embryos, mice 4586
Nicotiana tabacum 5833
nucleotide sequences, liver, rats 5158
ovalbumin
α-fetoprotein
activation, rats 4049
repression, rats 4049
plants 3543
transferrin
DNA binding proteins, transcription, liver, transgenics, mice 5190
gene expression
brain, transgenics, mice 4050
liver, transgenics, mice 4050
transposable elements, *Zea mays* 2447, 5232, 5841, 6386
Triticum aestivum 2785, 4608
trypsin inhibitors
Hordeum vulgare 1883
Nicotiana tabacum 1883
Triticum aestivum 1883
tubulin, *Zea mays* 1919
tyrosine 3-monooxygenase
gene expression, proto-oncogenes, nerve growth factor, rats 4579
transcription factors, gene expression, repression, rats 4034
ubiquitin
Solanum tuberosum 3478
Zea mays 1118, 1885
UDP-*N*-acetylglucosamine-dolichyl-phosphate *N*-acetylglucosaminephosphotransferase, nucleotide sequences, mice 5177
uncoupling protein, gene expression, brown fat, mice 3333
uteroferrin, progesterone, response elements, rabbits 5743
variant surface glycoproteins, gene expression, *Trypanosoma brucei* 1148
vegetative storage proteins, *Glycine max* 5202
vimentin, eye lens, fowls 3001
viruses 286
whey protein, DNA footprinting, rats 3007
Zea mays 4602
zein, *Zea mays* 343, 2460
Proprotein convertases
gene expression, rats 189
nucleotide sequences
mice 189
rats 189
Prostacyclin
receptors
gene expression, mice 5067
nucleotide sequences, mice 5067
Prostaglandin-endoperoxide synthase
nucleotide sequences, rats 825
transcription
gonadotropins, rats 825
induction
platelet-activating factor, cell lines 6337
retinoic acid, cell lines 6337
Prostaglandins
calving, induction, cattle 3244
embryos, *in vitro* development, cattle 1521
goats, superovulation, embryos, recovery, goats 4883

Prostaglandins *cont.*
in blood, embryo transfer, cattle 6067
oestrus
induction
cattle 4324
goats 4327
synchronization
cattle 527, 1070, 6063, 6695
fallow deer 525
horses 5427
ruminants 4330
seasons, buffaloes 523
sheep 1072
receptors
gene expression, kidneys, rats 4594
nucleotide sequences
cattle 3523
rats 4594
RNA, alternative splicing, cattle 3523
uterus, embryos, quality, cattle 5973
Prostate
cytochromes, RNA, alternative splicing, rats 3541
growth factors, fibroblasts, receptors, RNA, alternative splicing, rats 4597
probasin, promoters, reporter genes, gene expression, transgenics, mice 4407
protein-tyrosine kinase, RNA, alternative splicing, rats 4597
proteins
nucleotide sequences, rats 2396
transcription factors
androgens, rats 2396
glucocorticoids, rats 2396
Prosystemin, genetic transformation, *Lycopersicon esculentum* 2266
Proteaceae
DNA
extraction 6575
techniques 6575
Proteasomes
nucleotide sequences
mice 1236
rats 3444, 5069
Protein binding elements, DNA binding proteins, detection, DNA hybridization, techniques 4749
Protein-glutamine γ-glutamyltransferase
promoters
gene expression, guineapigs 4522
nucleotide sequences, guineapigs 4522
tissue culture, *Helianthus tuberosus* 5990
Protein kinase
calcium dependent, gene mapping, cell fusion, mice 4133
calmodulin dependent, gene mapping, cell fusion, mice 4133
gene expression
Arabidopsis thaliana 1288, 2369, 2450, 2929
binding proteins, brain, rats 769
Oryza sativa 5113
rats 1765
gene mapping, restriction fragment length polymorphism, mice 6486
genetic transformation, *Lycopersicon esculentum* 2957
guanosine monophosphate
gene expression, rats 5615
nucleotide sequences, rats 5615
haem
gene expression, rats 5063
nucleotide sequences, rats 5063
inhibitors
gene expression, mice 821
nucleotide sequences, mice 821
nucleotide sequences
Arabidopsis thaliana 1288, 2369, 2929
embryonic stem cells, mice 642
fowls 705
Glycine max 1253
Lycopersicon esculentum 2957
mice 5077
Oryza sativa 5113
rats 1765, 5061
promoters, binding proteins, brain, rats 769
receptors
nucleotide sequences, fowls 3445

Protein kinase *cont.*
receptors *cont.*
targeted mutagenesis, embryonic stem cells, mice 2870
restriction fragment length polymorphism, pigs 2490
RNA, alternative splicing, rats 5061
spermatogenesis
gene expression, testes, mice 5192
nucleotide sequences, testes, mice 5192
transcription, cell lines, mice 5715
Protein synthesis
elongation factors
gene expression
cell lines 798
rats 798
nucleotide sequences
cell lines 798
rats 798
initiation factors, gene mapping, DNA probes, mice 908
Protein transport, gene expression, plants 3041
Protein-tyrosine--hosphatase
gene expression, rats 5601
nucleotide sequences, rats 5601
Protein-tyrosine kinase
gene expression
brain, mice 5030
intestines, embryos, rats 4582
T lymphocytes, mice 5030
haematopoiesis, targeted mutagenesis, embryonic stem cells, mice 3923
immune response, targeted mutagenesis, embryonic stem cells, mice 3923
nucleotide sequences
mice 5030
rats 4582
oncogenes, neoplasms, mammary glands, transgenics, mice 3329
receptors
ligands
haematopoiesis, stem cells, proliferation, mice 5043
nucleotide sequences, mice 5043
nucleotide sequences, mice 5059
RNA, alternative splicing, prostate, rats 4597
T lymphocytes, receptors, allelic exclusion, transgenics, mice 3321
targeted mutagenesis
embryonic stem cells, mice 617, 620
suckling, behaviour, mice 3409
Protein-tyrosine-phosphatase
chromosome mapping, mice 5867
gene expression
brain
embryos
mice 6239
rats 6239
mutations, nucleotide sequences, mice 5867
nucleotide sequences
mice 6239
rats 6239
Protein-tyrosine phosphatase, RNA, alternative splicing, rats 5601
Protein-tyrosine-phosphatase, targeted mutagenesis, embryonic stem cells, lymphocytes, development, mice 157
Proteinase inhibitors
gene expression
Lycopersicon esculentum 326, 2375
Nicotiana tabacum 4005, 5641
Solanum tuberosum 1837
Zea mays 6261
genetic engineering, *Solanum tuberosum* 51
genetic transformation
Lycopersicon esculentum 4100
Oryza sativa 51
Populus 1173
nucleotide sequences
Glycine max 203
Lycopersicon esculentum 2375, 5711
Nicotiana tabacum 5641
rats 2914
Sagittaria sagittifolia 1292
Solanum tuberosum 723, 1837
Zea mays 6261
Proteinase inhibitors *cont.*
promoters, *Oryza sativa* 51
transcription, liver, mice 5756
Proteinases
gene expression
Arabidopsis thaliana 2374
Carica papaya 1827
Cynara cardunculus 5100
nucleotide sequences
Arabidopsis thaliana 2374
Candida albicans, virulence 3888
Carica papaya 1827
Cynara cardunculus 5100
mice 1779
Proteins
activator, RNA polymerase, transcription, promoters 4574
cell culture, *Daucus carota* 2615
centrosomes, gene expression, cell lines, mice 265
cerebellum
gene expression
mice 5078
rats 5078
nucleotide sequences, rats 5078
covalent complexes, antisense DNA, oligonucleotides 4762
embryos
in vitro development
cattle 5374
mammals 3161
mice 2062
pigs 4793
eye lens, nucleotide sequences, cattle 665
flagella, nucleotide sequences, *Serpulina hyodysenteriae* 67
gene expression
Lupinus 4976
Medicago sativa 4976
Pisum sativum 4976
targeted mutagenesis, reviews 612
Trifolium subterraneum 4976
vesicular gland, mice 5087
gene mapping, *Zea mays* 4710
gene transfer
mammary glands
milk
laboratory mammals, reviews 4964
livestock, reviews 4964
genetic engineering
Helianthus annuus 4976
plants 3341
genetic transformation
Lupinus 4976
Medicago sativa 4976
Pisum sativum 4976
plum pox potyvirus, *Nicotiana tabacum* 3372
Trifolium subterraneum 4976
immunological techniques, plants 1326
in vitro fertilization
oocytes
cats 2055
in vitro development, cats 2055
in vitro maturation, oocytes, cats 2055
ion exchange
gene expression
rabbits 834
rats 837
nucleotide sequences
rabbits 834
rats 837
lysosomes, mannose-6-phosphate, receptors, targeted mutagenesis, embryonic stem cells, mice 5549
microtubules
gene expression, mice 835
nucleotide sequences, mice 835
mitochondria, gene expression, targeted mutagenesis, adipocytes, cell lines, mice 1855
neurofilaments
gene expression
central nervous system, transgenics, mice 5492
nervous system diseases, transgenics, mice 1690, 2242
nucleotide sequences
vesicular gland, mice 5087
Vicia faba 1256
Proteins *cont.*
oligomycin sensitivity, nucleotide sequences, rats 4507
oocytes
spermatozoa, penetration, cattle 2133
zona pellucida, nucleotide sequences, pigs 4527
phosphotyrosine, nucleotide sequences, adipocytes, mice 4509
placenta, gene mapping, restriction fragment length polymorphism, mice 899
plasma membranes, nucleotide sequences, mice 1214
plasmids, *Borrelia* 2255
production, genetic engineering, cell lines, mammals, reviews 6221
prostate
nucleotide sequences, rats 2396
transcription factors
androgens, rats 2396
glucocorticoids, rats 2396
purification
techniques
cells 2558
tissues 2558
recombination
gene expression, fowls 641
nucleotide sequences, fowls 641
repetitive DNA, gene expression, testes, mice 4031
restriction fragment length polymorphism, *Zea mays* 4710
retina
gene expression, cattle 5579
nucleotide sequences, cattle 5579
ribosomes
nucleotide sequences
fowls 3968
mice 703, 5612
rats 3939
promoters
gene expression
fowls 3968
mice 771
sex chromosomes
meiosis
spermatogenesis
gene expression, mice 3506
nucleotide sequences, mice 3506
spermatozoa
nucleotide sequences
Mollusca 693
rats 5584
stress
macrophages
gene expression, mice 5734
nucleotide sequences, mice 5734
nucleotide sequences, mice 5596
synaptic vesicle membrane, gene expression, embryos, fowls 2404
synthesis, inhibitors, oocytes, *in vitro* maturation, cattle 5407
transcription
induction
gene expression, mice 5090
nucleotide sequences, mice 5090
translocation complex, endoplasmic reticulum, nucleotide sequences, dogs 2898
Proteoglycans
nucleotide sequences
cattle 3983
cornea, cattle 659
mice 669
Proteolipid protein
thyroxine-binding globulin
gene mapping, sheep 4147
linkage, sheep 4147
Proteus vulgaris, carbohydrates, utilization, fuel cells, microbial 6083
Prothrombin, nucleotide sequences, fowls 4500
Proto-oncogenes (*see also* Oncogenes)
antisense DNA, embryonic stem cells, haematopoiesis 5765
disruption
fibroblasts, mitosis, cell culture, mice 154
mortality, embryos, mice 154

Proto-oncogenes *cont.*
enhancers, transcription factors, mice 3529
erythrocytes, transgenics, mice 5742
gene expression
brain, cells, death, transgenics, mice 45
cell lines, mice 2425
embryos, mice 4592
endogenous viruses, integration, neoplasms, mice 6474
fowls 1226
mammary glands, mice 766
skeletal development, abnormalities, transgenics, mice 599
transgenics, mutations, kidney diseases, mice 6166
gene mapping, restriction fragment length polymorphism, mice 6474
gene transfer
heart, injection, rats 2205
yeast artificial chromosomes, cell lines, mice 5478
in vitro development, embryos, mice 3158
insulin, transcription, cell lines 1851
major histocompatibility complex, transcription, cell lines 250
metalloproteinases, gene expression, transgenics, mice 5144
mutations
bone marrow disorders, mice 1746
genetic transformation, fibroblasts, rats 3417
osteopetrosis, mice 1746
nucleotide sequences
cell lines, mice 2425
fowls 1226
polymerase chain reaction
dimethyl sulfoxide, mice 2570
techniques 5951
promoters
activation, pressure, heart, targeted mutagenesis, rats 2205
DNA binding proteins
DNA, structure, mice 5170
mice 5180
nucleotide sequences, mice 1792
transcription factors, mice 3529
receptors, ligands, nucleotide sequences, mice 6236
regulation
disruption
embryo mortality, mice 617, 620
embryonic development, mice 617, 620
renin, promoters, reporter genes, transcription, cell lines, mice 4595
restriction fragment length polymorphism
cats 5860
disease resistance, neoplasms, mice 1955
dogs 5860
fowls 5860
livestock 5860
species differences, buffaloes, cats, dogs, ducks 3450
targeted mutagenesis
B lymphocytes, mice 1746
embryonic development, abnormalities, mice 1195
embryonic stem cells
diseases, mice 1751
embryonic development
liver, mice 3401
mice 2870
mice 154
erythrocytes, transgenics, mice 5742
haematopoiesis, mice 1746
kidney diseases, mice 5001
mice 1195
parthenogenesis, mice 6206, 6209
T lymphocytes, mice 5001
thymus gland, mice 1746
transcription
c-AMP, Sertoli cells, cell cultures, mice 819
DNA binding proteins, fowls 5155
FSH, Sertoli cells, cell cultures, mice 819

Proto-oncogenes *cont.*
transcription *cont.*
promoters, genes, sex determination, rats 5142
regulation, cell division, cell lines 626
transcription factors
gene expression
cell lines, mice 3534
testes, mice 3534
transgenics, animal models, mice, reviews 5512
tyrosine kinase, receptors, mast cells, mice, reviews 2393
tyrosine 3-monooxygenase, promoters, gene expression, nerve growth factor, rats 4579
Protoberberine, cell culture, *Corydalis* 4460
Protochlorophyllide reductase, nucleotide sequences, *Ginkgo biloba* 6304
Protopine, cell culture, *Corydalis* 4460
Protoplast fusion (*see also* Intergeneric hybridization)
Arabidopsis thaliana 3318
Atalantia ceylanica 1688
Atropa belladonna 1685
Barbarea vulgaris 4961
Brassica 25
Brassica campestris 3093
Brassica napus 3318, 4961
Brassica oleracea 3093
chloroplast genetics
Glycine max 28
Lotus corniculatus 28
Lycopersicon esculentum 2218
Lycopersicon peruvianum 2218
Medicago sativa 28
Nicotiana plumbaginifolia 2218
Nicotiana tabacum 2218
Oryza sativa 28
chromosome number
Brassica napus, rape 2796
Raphanus sativus 2796
Citrus 26, 2217
Citrus aurantiifolia 6648
Citrus limon 6648
Citrus sinensis 26, 1688
Citrus sudachi 6648
cold resistance
Solanum commersonii 4400
Solanum tuberosum 4400
computer simulation 2795
Cucumis melo 578
Cucurbita 578
cytoplasmic male sterility
Brassica napus, rape 2796
Nicotiana 6700
Raphanus sativus 2796
gamma radiation
Nicotiana plumbaginifolia 1122
Nicotiana sylvestris 1122
Hyoscyamus muticus 1685
intergeneric hybridization
Cichorium intybus 3320
Citropsis gabunensis 6155
Citrus reticulata 6155
Helianthus annuus 3320
Lycopersicon esculentum 2797
Medicago sativa 3319
Onobrychis viciifolia 3319
Solanum tuberosum 2797
interspecific hybridization
Brassica juncea 5217
Brassica oxyrrhina 5217
Nicotiana glutinosa 4960
Nicotiana tabacum 4960
Petunia hybrida 4402
regeneration
Hyoscyamus albus 6156
Hyoscyamus muticus 6156
Solanum brevidens 3869
Solanum bulbocastanum 3867
Solanum commersonii 4400
Solanum tuberosum 3867, 3869, 4400
Lycopersicon esculentum 27, 29
Lycopersicon hirsutum 27
Lycopersicon peruvianum 29
Medicago sativa 2638
Meloidogyne chitwoodi
Solanum bulbocastanum 3867
Solanum tuberosum 3867

Protoplast fusion *cont.*
mitochondrial genetics
Brassica 3870
Cichorium intybus 3320
Glycine max 28
Helianthus annuus 3320
Lotus corniculatus 28
Lycopersicon esculentum 2218
Lycopersicon peruvianum 2218
Medicago sativa 28
Nicotiana plumbaginifolia 2218
Nicotiana tabacum 2218
Oryza sativa 28
Myzus persicae 1686
Nicotiana benthamiana 1686
Nicotiana plumbaginifolia 2794, 4401
Nicotiana rustica 24, 3868
Nicotiana sylvestris 2794
Nicotiana tabacum 24, 577, 1686, 3868, 4401
Onobrychis viciifolia 2638
Oryza sativa 463
Panicum maximum 13
Paspalum dilatatum 13
plants 1123
Porteresia coarctata 463
reducing sugars
Solanum phureja 4959
Solanum tuberosum 4959
reviews 1687
Senecio jacobaea 2799
Senecio nemorensis 2799
Solanum aculeatissimum 2798
Solanum commersonii 5491
Solanum khasianum 2798
Solanum nigrum 577
Solanum tuberosum 5311, 5491
somatic embryogenesis
Citropsis gabunensis 6155
Citrus reticulata 6155
techniques
Solanum bulbocastanum 6154
Solanum tuberosum 6154
temperate fruits 2103
tobacco mosaic tobamovirus 577
Zea mays 2138, 2141
Protoplasts
Actinidia deliciosa 2633
Arachis paraguariensis 1009
Arundinaria pygmaea 6633
Asparagus officinalis 1060
auxins, *Nicotiana tabacum* 6137
Bambusa multiplex 6633
Bambusa oldhami 6633
Beta maritima 4281
Beta vulgaris 4267, 4281
biodegradation
Ganoderma applanatum 6636
Lenzites elegans 6636
Pycnoporus sanguineus 6636
biotransformation
Ganoderma applanatum 6636
Lenzites elegans 6636
Pycnoporus sanguineus 6636
Brassica napus 1569
rape 2879
Catharanthus roseus 6654
cell culture, *Hevea brasiliensis* 4249
chlorophyll *a/b* binding protein, *Brassica napus* 297
Citrus sinensis 1018
Coffea arabica 4259
coniferin
Pinus banksiana 483
Pinus strobus 483
crops 1008
cucumber mosaic cucumovirus
Capsicum annuum 4988
Capsicum chinense 4988
Daucus carota 2101, 2775
electric current, *Helianthus annuus* 1540
embryogenesis, *Oryza sativa* 6638
fertilization, *Hordeum vulgare* 6055
fruit crops 2650
gene expression
Glycine max 852
Nicotiana tabacum 318
Petunia hybrida 1350
Zea mays 6141
genetic transformation
Asparagus officinalis 5487

Protoplasts *cont.*
genetic transformation *cont.*
Brassica napus 2210
Glycine max 852
Nicotiana plumbaginifolia 497
Oryza sativa 2773
Populus 4390
triticale 5489
Triticum aestivum 576
Zea mays 2790, 6141
Ginkgo biloba 1061
Gossypium 4263
grain legumes 1031
haploidy, plants 3713
Humulus lupulus 6022
Ipomoea batatas 1038
Lolium boucheanum 3219
Lolium multiflorum 3219
Lolium perenne 3219
Lonicera brownii 2216
Lonicera fragrantissima 2216
Lonicera periclymenum 2216
Lycopersicon esculentum 4280
Malus pumila 1000, 2103
Musa 3197
nucleotide sequences, *Nicotiana tabacum* 318
Oryza sativa 1034, 4950
pepper mottle potyvirus
Capsicum annuum 4988
Capsicum chinense 4988
phosphinothricin acetyltransferase, *Festuca rubra* 4952
Phyllostachys aurea 6633
Pisum sativum 2214
Prunus 2103
Prunus persica 4273
Pyrus communis 2103
regeneration
Arabidopsis thaliana 504
Brassica campestris 3224
Brassica oleracea 2634, 4301, 5388
Diospyros kaki 1027
Gossypium hirsutum 3202
Hordeum murinum 3751
Hordeum vulgare 1036, 3184, 6626
Lilium maculatum 6026
Lilium speciorubel 6026
Medicago polymorpha 2107
Mentha piperita 501
Nicotiana glauca 4841
Nicotiana plumbaginifolia 6642
Oryza 463
Oryza granulata 1541
Oryza sativa 3716, 4300, 6615
Passiflora 3178
Petunia hybrida 5396
Pleurotus salmoneostramineus 4303
Poa pratensis 489
Sorghum bicolor 1035
Vigna angularis 1567
regenerative ability
Brassica oleracea 6624
Gossypium hirsutum 462
Hordeum vulgare 6055
Trifolium pratense 5398
Saccharum officinarum 2110
somatic embryogenesis
Coffea arabica 6029
Gossypium hirsutum 462
Oryza sativa 1033
techniques 1003
Alocasia odora 6636
edible fungi 2115
Hordeum vulgare 3184, 6055
Petunia 4808
plants 3713
Rosa 6636
temperate fruits, reviews 2103
tobacco etch potyvirus
Capsicum annuum 4988
Capsicum chinense 4988
tobacco mosaic tobamovirus, *Nicotiana tabacum* 1557
Triticum timopheevii 3225
woody plants 2650
Zea mays 3342, 4254
Protozoa, molecular genetics, conferences 6172
Protozoal infections, immune response, targeted mutagenesis, mice, reviews 6211
Prune dwarf ilarvirus, ELISA, detection 2592
Prunus
DNA
extraction 6574
techniques 6574
in vitro culture, ethylene 3714
protoplasts 2103
somaclonal variation 2103
tissue culture 3733
cherries
chloroplast genetics
evolution 1991
taxonomy 1991
restriction fragment length polymorphism
evolution 1991
taxonomy 1991
Prunus armeniaca
embryo culture 3704
gene expression, coat proteins, plum pox potyvirus 2846
genetic transformation, coat proteins, plum pox potyvirus 2846
tissue culture, micropropagation 1012
Prunus avium
embryo culture, somatic embryogenesis 1010
in vitro culture, cryopreservation 3747
tissue culture 2092
abscisic acid 493
IAA 493
regeneration 4843
techniques 6640
Prunus domestica
genetic transformation 1668
tissue culture 1668
Prunus dulcis, tissue culture 5384
Prunus laurocerasus, tissue culture 496
Prunus necrotic ringspot ilarvirus
ELISA, detection 2592
Prunus serrulata 2660
Prunus tomentosa 2660
Prunus persica
DNA hybridization
fruits 5850
polygalacturonase 5850
ripening 5850
embryo culture 6621
growth regulators 4837
techniques 4837
gene expression
dehydrin 6352
fruits 5850
polygalacturonase 5850, 6284
ripening 2350, 5850, 6284
gene mapping 2540
isoenzymes 4157
morphology 4157
nucleotide sequences
polygalacturonase 6284
ripening 6284
ovule culture
growth regulators 4837
techniques 4837
polymerase chain reaction
fruits 5850
polygalacturonase 5850
ripening 5850
protoplasts 4273
random amplified polymorphic DNA
isoenzymes 4157
morphology 4157
restriction fragment length polymorphism 2540
tissue culture 476, 5989
Xanthomonas campestris 2305
Prunus salicina, embryo culture 6621
Prunus serrulata
Prunus necrotic ringspot ilarvirus 2660
tissue culture 2660
Prunus tomentosa
Prunus necrotic ringspot ilarvirus 2660
tissue culture 2660
Psathyrostachys
DNA hybridization, taxonomy 4151
gene mapping, taxonomy 4151
Psathyrostachys *cont.*
restriction fragment length polymorphism
repetitive DNA 6506
ribosomal DNA 6506
taxonomy 6506
Pseudocercosporella herpotrichoides, monoclonal antibodies, cereals 441
Pseudogenes
chloroplast genetics, *Helianthus annuus* 1794
DNA topoisomerase, gene mapping, mice 3582
gene expression, *Arabidopsis thaliana* 724
glucose-6-phosphate isomerase
gene mapping, DNA hybridization, pigs 1945
nucleotide sequences, pigs 1945
glyceraldehyde-3-phosphate dehydrogenase
nucleotide sequences
mice 2894
rats 2894
histones, nucleotide sequences, rats 654
immunoglobulins, gene conversion, B lymphocytes, fowls 5745
mitochondrial genetics
Arabidopsis thaliana 724
Glycine max 1244
Helianthus annuus 1794
nucleotide sequences
Arabidopsis thaliana 724
Eruca vesicaria 4565
Glycine max 1244
Helianthus annuus 1794
mice 1209
rats 5053
somatotropin, sex linkage, fishes 3941
α-tubulin, gene mapping, rats 3592
Pseudohermaphroditism, detection, polymerase chain reaction, goats 5960
Pseudomonas
Arthrobacter
carbofuran, bioremediation 2715
insecticides, bioremediation 2715
paraquat, detoxification, nucleotide sequences, plasmids 2712
Pseudomonas aeruginosa
disease resistance, recombinant vaccines, major histocompatibility complex, mice 1188
nitrates, biosensors 2695
Pseudomonas cepacia
aroclor, bioremediation, soil 2705
pesticides, bioremediation, soil 2705
Pseudomonas glumae, genetic transformation 111
Pseudomonas putida
gene expression, agglutination, *Phaseolus vulgaris* 95
genetic transformation, plant diseases 537
Pseudomonas solanacearum
gene expression
Arabidopsis thaliana 6183
Nicotiana tabacum 6183
genetic engineering, *Arabidopsis thaliana* 6183
genetic markers, *Lycopersicon esculentum* 4438
genetic transformation
Nicotiana tabacum 6183
Solanum tuberosum 108
molecular genetics, *Solanum* 6178
Pseudomonas syringae
cloning
Arabidopsis thaliana 1164
Lycopersicon esculentum 2262
gene expression, *Nicotiana tabacum* 1170
gene mapping
Arabidopsis thaliana 113, 1164, 1983, 4159
Lycopersicon esculentum 1175
genetic transformation, *Nicotiana tabacum* 1170, 3900
molecular genetics
Arabidopsis thaliana 2841
Lycopersicon esculentum 5527
random amplified polymorphic DNA
Arabidopsis thaliana 113
Lycopersicon esculentum 1175

Pseudomonas syringae cont.
restriction fragment length polymorphism
Arabidopsis thaliana 1983
Lycopersicon esculentum 1175
Pseudomonas syringae* pv. *glycinea
molecular genetics
coronatine 2591
toxins 2591
Pseudomonas syringae* pv. *phaseolicola
gene expression, *Phaseolus vulgaris* 2843
genetic transformation, *Phaseolus vulgaris* 2843
Pseudomonas syringae* pv. *syringae, molecular genetics, pathogenicity, *Phaseolus vulgaris* 106
Pseudomonas syringae* pv. *tomato
gene expression, *Lycopersicon esculentum* 5531-5532
genetic engineering, *Lycopersicon esculentum* 2852
genetic transformation, *Lycopersicon esculentum* 2957
mutations, *Lycopersicon esculentum* 5532
nucleotide sequences, *Lycopersicon esculentum* 2957
Pseudotsuga menziesii
gene expression
dormancy 4652
germination 4652
seeds 4652
random amplified polymorphic DNA, genetic relationships, *Rhabdocline parkeri* 438
RNA
extraction 6573
techniques 6573
Psophocarpus tetragonolobus
DNA binding proteins, chymotrypsin inhibitors 3554
gene expression, leghaemoglobin 4096
nucleotide sequences, chymotrypsin inhibitors 3554
Psoralen, DNA, triplex, bacteriophages, targeted mutagenesis 153
Pteris vittata, nucleotide sequences, ribulose-bisphosphate carboxylase 4535
Public opinion
biotechnology 549, 1083, 1091, 3277, 3282
books 1637
education 3280
surveys, reviews 6735
ethics, transgenics, animal production 5455
genetic engineering
books 3830
foods 3816
Lycopersicon esculentum 3276
plants 3341, 3799, 3811
Solanum tuberosum, genetic engineering, Netherlands 2726
somaclonal variation, *Lycopersicon esculentum* 3276
Public relations
biotechnology 3282
foods, genetic engineering 3284
Puccinellia
chloroplast genetics, taxonomy 5883
restriction fragment length polymorphism, taxonomy 5883
Puccinia, gene mapping, *Triticum aestivum* 5288
Puccinia antirrhini, gene tagging, *Antirrhinum majus* 1180, 1968
Puccinia coronata
genetic markers, *Avena sativa* 6177, 6193
random amplified polymorphic DNA, *Avena sativa* 1724
restriction fragment length polymorphism, *Avena sativa* 6193
Puccinia graminis, genetic markers, *Avena sativa* 6177
Puccinia graminis* f.sp. *tritici, restriction fragment length polymorphism, *Hordeum vulgare* 6186
Puccinia recondita
genetic markers, *Triticum aestivum* 4989
random amplified polymorphic DNA, *Triticum aestivum* 4989
restriction fragment length polymorphism, *Triticum aestivum* 4989
Puccinia sorghi
gene tagging, *Zea mays* 1181
molecular genetics, *Zea mays* 2257
Puccinia striiformis
gene mapping, *Hordeum vulgare* 5525
restriction fragment length polymorphism, *Hordeum vulgare* 5525
Pulsed field electrophoresis
chromosomes, separation, techniques, *Giardia duodenalis* 5521
computer software 5945
DNA sequencing
computer software, image processors, techniques 4753
techniques, image analysis 3666
genome analysis, *Anaplasma marginale* 1389
mitochondrial genetics, plants 5874
yeast artificial chromosomes, biglycan, gene mapping, mice 883
Purification
techniques
DNA 2562
cells 2558
heparin 945
restriction fragments, HPLC 955
tissues 2558
proteins
cells 2558
tissues 2558
RNA
cells 2558
tissues 2558
Purine-nucleoside phosphorylase, nucleotide sequences, mice 1775
Purines, nucleotide sequences, *Arabidopsis thaliana* 222
Puroindolines
gene expression, *Triticum aestivum* 5104
nucleotide sequences, *Triticum aestivum* 5104
Putrescine
embryo culture
Picea abies 4831
Picea rubens 4831
Putrescine *N*-methyltransferase
gene expression, *Nicotiana tabacum* 5649
nucleotide sequences, *Nicotiana tabacum* 5649
tissue culture, *Datura stramonium* 4488
Pycnoporus sanguineus
biodegradation
enzymes 6636
protoplasts 6636
biotransformation
enzymes 6636
protoplasts 6636
Pyrenopeziza brassicae
gene expression 87
genetic transformation 87
restriction fragment length polymorphism, *Brassica napus* 3896
Pyrethrins, tissue culture, *Tanacetum cinerariifolium* 4824
Pyricularia oryzae
genetic relationships
mitochondrial genetics 1162
ribosomal DNA 1162
restriction fragment length polymorphism, *Oryza sativa* 390, 402
Pyrophosphatases
gene expression, *Nicotiana tabacum* 6369
genetic transformation, *Nicotiana tabacum* 6369
Pyrophosphate-fructose-6-phosphate 1-phosphotransferase
gene expression, *Solanum tuberosum* 5209
genetic transformation, *Solanum tuberosum* 5209
Pyrroline-5-carboxylate reductase
gene expression, *Arabidopsis thaliana* 2723
nucleotide sequences, *Arabidopsis thaliana* 2723
Pyrus, in vitro culture, cryopreservation 3747
Pyrus communis
protoplasts 2103
somaclonal variation 2103
tissue culture 2619, 6655
Pyrus pyrifolia
genetic transformation 1668
tissue culture 1668
Pyruvate decarboxylase
gene expression, *Acorus calamus* 1610
genetic transformation, *Nicotiana tabacum* 6361
Pyruvate kinase
gene expression, *Glycine max* 2954
genetic engineering, plants 3564
nucleotide sequences, *Glycine max* 2954
Pyruvate,orthophosphate dikinase
gene expression
Amaranthus hypochondriacus 1381
Oryza sativa 5829
Zea mays 5829
genetic engineering, *Zea mays* 5829
genetic transformation, *Oryza sativa* 5829
Pythium ultimum
ELISA, detection 2593
monoclonal antibodies, detection 2593
Qinghaosu, tissue culture, *Artemisia annua* 3918
Quails
genes
homeo box, gene expression, binding proteins, retina 5134
retina
development
promoters, nucleotide sequences 2411
transcription, inhibition 2411
glyceraldehyde-3-phosphate dehydrogenase
gene expression, embryos 1234
nucleotide sequences 1234
LH, nucleotide sequences, reviews 1774
metallothionein, DNA, nucleotide sequences 1786
oncogenes, gene expression, pancreas 6347
Rous sarcoma virus, receptors, nucleotide sequences 2317
Quality
genetic engineering
Gossypium hirsutum 3913
Hordeum vulgare, reviews 4421
Triticum aestivum, reviews 4421
genetic markers, *Oryza sativa* 4699
molecular genetics
Hordeum vulgare, reviews 4421
Triticum aestivum, reviews 4421
restriction fragment length polymorphism
Oryza sativa 4699
Zea mays 5310, 6527
Quantitative traits
breeding value, prediction, marker genes, livestock 6450
gene mapping
animals, reviews 4197
Hordeum vulgare 3636
pigs 6449
plants, reviews 4197
statistical analysis 2554
Zea mays 6511
genetic markers, plants 1988, 6555
linkage
marker genes, genome maps, models 4122
restriction fragment length polymorphism, computer simulation 6473
marker genes
genetic improvement, cattle 1960
linkage
algorithms 2201
crossing, methodology 6468
experimental design 3065
statistical analysis 6455
molecular genetics, reviews 2019
random amplified polymorphic DNA, *Hordeum vulgare* 3629
restriction fragment length polymorphism 2004
Glycine max 6540
Solanum tuberosum 6514
Quassia simarouba, tissue culture, somatic embryogenesis 6646
Quercus acutissima, embryo culture, somatic embryogenesis 5392

Quercus cerris
tissue culture
anatomy 4285
somatic embryogenesis 4285
Quercus petraea
chloroplast genetics
evolution 4537
transfer RNA 4537
nucleotide sequences
evolution 4537
transfer RNA 4537
Quercus robur
chloroplast genetics
evolution 4537
transfer RNA 4537
nucleotide sequences
evolution 4537
transfer RNA 4537
tissue culture
anatomy 4285
somatic embryogenesis 4285
Quercus rubra
tissue culture
anatomy 4285
somatic embryogenesis 4285
Quercus suber, tissue culture, somatic embryogenesis 1558
Quinoline alkaloids, cell culture, *Ruta graveolens* 4446
Quinone reductase
nucleotide sequences
guineapigs 3943
mice 3943
Quinones
bioreactors, *Lithospermum erythrorhizon* 3395
cell culture, *Lithospermum erythrorhizon* 4487
tissue culture
Alkanna tuberculata 4469
Lithospermum erythrorhizon 3395
Rabbits
adenosine, receptors, nucleotide sequences 1203
adenylate cyclase, nucleotide sequences 6245
alcohol dehydrogenase, nucleotide sequences 3949
anions, transporters, gene expression 2325
blastokinin
promoters, gene expression 794
transcription, regulation, prolactin, progesterone 794
calcium, adenosinetriphosphatase, promoters, transcription factors 829
carcass composition, somatotropin 3256
casein, nucleotide sequences, mammary glands 5031
casein kinase, nucleotide sequences 1212
creatine kinase
promoters
regulation
muscles
heart 5764
skeleton 5764
cytochromes
gene expression 783
nose
mucosa
gene expression 5602
nucleotide sequences 5602
nucleotide sequences 783
ELISA, *Bordetella bronchiseptica* 1472
embryo transfer, to oviducts, pregnancy rate 3677
embryos
in vitro development 6678
catalase 5364
inositol 5966
oxygen 5364
superoxide dismutase 5364
ultrastructure, nuclei, transfer 1049
vitrification, survival, culture media, osmolarity 971
zona pellucida, removal, *in vitro* development 6607
fattening performance, somatotropin 3256
flavin-containing monooxygenase, nucleotide sequences 177
Rabbits *cont.*
G proteins
gene expression 5728
nucleotide sequences 5728
genes, amplification, polymerase chain reaction, transgenics 47
glycoproteins
dystrophin
gene expression, muscles 2412
nucleotide sequences 2412
20α-hydroxysteroid dehydrogenase
gene expression 677
nucleotide sequences 677
ion exchange
proteins
gene expression 834
nucleotide sequences 834
ions
channels
cyclic nucleotides
gene expression 1204
nucleotide sequences 1204
keratin
nucleotide sequences 5194
promoters, gene expression 5194
α-mannosidase
gene expression 5056
nucleotide sequences 5056
membrane alanyl aminopeptidase
gene expression, kidneys 5619
nucleotide sequences 5619
oocytes
in vitro maturation, angiotensin 2135
parthenogenesis, nuclei, ultrastructure 1049
ova, *in vitro* fertilization 6678
peptides
transporter
cloning 5038
gene expression 5038
polypeptides
blood vessels
smooth muscle
gene expression 248
nucleotide sequences 248
potassium
channels
gene expression 6234
nucleotide sequences 6234
kidneys 5032
pregnancy rate, embryo transfer, breed differences, recipients 1537
preprotachykinin, nucleotide sequences 5058
recombination, activation, nucleotide sequences 660
sex control, X-Y separation 6675
sex diagnosis, embryos, H-Y antigen 4224
somatotropin, hypothalamic releasing hormones, gene transfer 6163
spermatozoa, X-Y separation, flow cytometry 3232
sterol esterase
gene expression 649
nucleotide sequences 649
superovulation, FSH 1592
surfactants
enhancers, DNA binding proteins 5727
lungs, receptors, gene expression 5611
T lymphocytes, receptors, nucleotide sequences 3952
triacylglycerol lipase
gene expression, pancreas 3437
nucleotide sequences, pancreas 3437
troponin
nucleotide sequences 1302
RNA, alternative splicing 1302
urea, transporters, cloning 2926
uteroferrin, promoters, progesterone, response elements 5743
Rabies virus
recombinant vaccines
biosafety, sheep 1186
mice 143
Radiation, somatic embryogenesis, *Dactylis glomerata* 2635
Random amplified polymorphic DNA
avirulence, *Arabidopsis thaliana* 6197
Random amplified polymorphic DNA *cont.*
bean common mosaic potyvirus, *Phaseolus vulgaris* 6181
Brassica juncea 5285
Brassica napus 5280, 5926
Brassica oleracea 5306
Buchloe dactyloides 1982
Chamaecytisus proliferus 4706
chromosome translocation
Elymus hispidus 398
Triticum aestivum 398
Citrullus lanatus 5892
Citrus 3640
Coffea 5300
Colletotrichum graminicola 4156
Colletotrichum lindemuthianum, Phaseolus vulgaris 4152
Daucus carota 5920
Dendranthema grandiflora 2013-2014
detection, species, *Schistosoma* 4770
development, plants 4196
DNA fingerprinting
Cryptococcus neoformans 2246
reviews 6560
dogs 4686
Elymus farctus 1986, 5316
evolution
Echinochloa 6531
Iris 5265
Lotus 6515
Lotus corniculatus 6515
plants 1446
Fagopyrum esculentum 3086
Fagopyrum tataricum 3086
forest trees 4176
Fulvia fulva, Lycopersicon esculentum 381
gene mapping
Arabidopsis thaliana 1449
fishes 4143
Medicago sativa 4704
Musa 3632
Pinus elliottii 4725
Pisum sativum 5275
plants 1449
Secale cereale 5915
Sorghum bicolor 5271
Sorghum propinquum 5271
Vaccinium darrowii 4185
Vaccinium elliottii 4185
Zea mays 5294
genetic relationships, *Rhabdocline parkeri, Pseudotsuga menziesii* 438
genomes, *Musa* 5283
Gibberella zeae, Zea mays 2549, 5523
Glycine max 6517
Heterodera glycines 6196
growth period, *Hordeum vulgare* 4154
haploidy, *Hordeum vulgare* 2669
height
Capsicum annuum 3637
Capsicum chinense 3637
Hordeum vulgare 4154
Heterodera avenae, Aegilops squarrosa 4985
Hordeum spontaneum 923
Hordeum vulgare 383, 5289
interspecific hybridization
Iris brevicaulis 5886
Iris fulva 5886
Iris hexagona 5886
Lycopersicon esculentum 6521
Lycopersicon peruvianum 6521
isoenzymes, *Prunus persica* 4157
Lolium boucheanum 3219
Lolium multiflorum 3219
Lolium perenne 3219
Lutzomyia spinicrassa, identification 137
Lutzomyia youngi, identification 137
Lycopersicon esculentum 5892
malting quality, *Hordeum vulgare* 3629
Medicago sativa 2017
Meloidogyne 3671
Lycopersicon esculentum 3912
morphology, *Prunus persica* 4157
Nicotiana 3868
nodulation, *Glycine max* 2541
nomenclature, *Zea mays* 5873
Orseolia oryzae, Oryza sativa 3909
Oryza sativa 3096
Panicum 6541

Random amplified polymorphic DNA *cont.*
Peronospora parasitica, Arabidopsis thaliana 1999, 6197
plants 2002, 3642
Poa pratensis 4888
polymerase chain reaction
temperate fruits 5904
Zea mays 5941
polyploidy, plants 1446
primers, DNA fingerprinting, rats 2566
Pseudomonas syringae
Arabidopsis thaliana 113
Lycopersicon esculentum 1175
Puccinia coronata, Avena sativa 1724
Puccinia recondita, Triticum aestivum 4989
quantitative traits, *Hordeum vulgare* 3629
reviews 3646
Rhododendron 6533
ribosomal DNA, *Vicia pisiformis* 6530
Solanum 1444
Solanum tuberosum 5311
Sorghum bicolor 4192
strains, identification, *Porphyromonas gingivalis* 1150
taxonomy
Clusia 1974
Coffea 1437
Hordeum 4168
Juniperus excelsa 4698
Juniperus procera 4698
Lilium 4179
Populus 4702
techniques
artefacts 3105
crops 3643, 3650
Hordeum vulgare 6508
plants 1451, 2003, 6508
Vitis 1975
Zea mays 5880
tobacco mosaic tobamovirus
Lycopersicon esculentum 6521
Lycopersicon peruvianum 6521
Triticum 4161
Triticum aestivum 1986, 3087, 5289, 5298, 5316
Triticum dicoccoides 5298
Triticum durum 5298
Uromyces appendiculatus, Phaseolus vulgaris 6182
Vaccinium ashei 1970
variety classification
Avena sterilis 3085
Brassica napus 3091
Glycine max 6518
Glycine soja 6518
Gossypium herbaceum 5889
Gossypium hirsutum 5889
Ipomoea batatas 6519
Lycopersicon 5889, 6549
Lycopersicon esculentum 6549
Populus 4702
Populus grandidentata 4724
Populus tremuloides 4724
Rosa 2010
Rubus idaeus 5301, 6529
Secale cereale 6534
Solanum tuberosum 2543
Vetiveria zizanioides 5900
Vitis 1979
Vitis vinifera 1984
Xanthomonas oryzae, Oryza sativa 400
Zea mays 5881-5882, 5914
Raphanus sativus
DNA footprinting
DNA binding proteins 5790
ribosomal DNA 5790
gene expression
DNA binding proteins 5790
ribosomal DNA 5790
senescence 3027
mitochondrial genetics, cytoplasmic male sterility 213, 5432
nucleotide sequences
adenosinetriphosphatase 3483
cytoplasmic male sterility 213, 3483
polymerase chain reaction, cytoplasmic male sterility 5432
protoplast fusion
chromosome number 2796
cytoplasmic male sterility 2796
Raphanus sativus *cont.*
RNA editing
adenosinetriphosphatase 3483
cytoplasmic male sterility 3483
tissue culture
benzyladenine 2077
growth regulators 2077
roots 2078
Rats
acetyl-CoA carboxylase, promoters, transcription, DNA binding proteins 5187
acetylcholine
receptors
promoters
nucleotide sequences 5195
transcription, DNA binding proteins 5195
acid glycoproteins
transcription
glucocorticoids 3526
interleukins 3526
activin
gene expression, DNA hybridization 4033
receptors, nucleotide sequences 2341
adenosinetriphosphatase
gene expression 1221
inhibitors
nucleotide sequences 4507
liver 5591
mitochondria, nucleotide sequences 4507
nucleotide sequences 1221
Adenoviridae
vectors
gene transfer
muscles, cells 2208
myocardium 2208
adenylate cyclase
activating polypeptide
receptors
gene expression, pituitary 3532
nucleotide sequences 1315
pituitary 3532
RNA, alternative splicing, pituitary 3532
activating protein
gene expression 5620
nucleotide sequences 5620
adenylate cyclase-activating polypeptide
receptors
gene expression, pituitary 4580, 4593
nucleotide sequences, pituitary 4580, 4593
RNA, alternative splicing, pituitary 4593
adipocytes
membrane proteins
gene expression 5564
nucleotide sequences 5564
α-adrenergic receptors, restriction fragment length polymorphism, segregation distortion, strains, Dahl 5868
adrenomedullin
gene expression 4518
nucleotide sequences 4518
aggrecan, brain, gene expression 5085
D-alanine transaminase, promoters, DNA binding proteins 249
alcohol dehydrogenase, transcription, DNA binding proteins, somatotropin 1862
aldehyde reductase, nucleotide sequences 3458
amylin, promoters, gene expression, regulation 3540
anaemia, gene mapping, restriction fragment length polymorphism 919
androgens
binding proteins
promoters 1320
RNA, alternative splicing 1320
receptors
messenger RNA, polymerase chain reaction, techniques 5350
promoters
gene expression 828
Rats *cont.*
androgens *cont.*
receptors *cont.*
promoters *cont.*
nucleotide sequences 828
angiotensin
receptors
gene expression 2897
gene mapping, DNA hybridization 4680
nucleotide sequences 2897
transcription factors, cell lines 2408
anions
transporters
gene expression 2325
nucleotide sequences 2325
arachidonate 12-lipoxygenase
gene expression 1233
nucleotide sequences 1233
argininosuccinate lyase, promoters, nucleotide sequences, brain 3955
atrial natriuretic factor, enhancers, transcription, cell lines 1844
autoantigens, nucleotide sequences 697
bile acids
binding proteins
gene expression 5145
nucleotide sequences 5145
blood coagulation factors
gene transfer
liver, glycoproteins, receptors 3304
receptor-mediated endocytosis, liver 4933
retroviral vectors, fibroblasts 1665
transfection, liver cells, glycoproteins, receptors 3304
bradykinin
receptors
gene expression 5068
nucleotide sequences 5068
targeted mutagenesis, gene expression 5002
brain-derived neurotrophic factor, gene transfer, fibroblasts, gene therapy, nervous system diseases 4927
c-AMP, response element, DNA binding proteins 1308
calbindin, gene expression, teeth, vitamin D 761
calcidiol-24 monooxygenase
nucleotide sequences 5173
transcription, vitamin D, binding elements 5173
calcitonin
receptors
gene expression 632
nucleotide sequences 632
calcium
binding proteins, nucleotide sequences 3454
channels, nucleotide sequences 3455
calmodulin
binding proteins
gene expression, brain 5595
nucleotide sequences, brain 5595
calpain
gene expression 5610
nucleotide sequences 5610
RNA, alternative splicing, stomach 5610
calpastatin
nucleotide sequences 192
RNA, alternative splicing 192
calponin
gene expression 5019
aorta 2915
nucleotide sequences 2915, 5019
carnitine *O*-palmitoyltransferase
gene expression 774
nucleotide sequences 774
casein, promoters, DNA footprinting 3007
casein kinase
gene expression 183
nucleotide sequences 183
catalase, DNA binding proteins, nucleotide sequences 2901
catechol *O*-methyltransferase
gene expression 3459

Rats *cont.*
catechol *O*-methyltransferase *cont.*
nucleotide sequences 3459
cell adhesion molecule, liver cells, gene expression 244
cells, surface proteins, gene mapping 1938
ceramide UDP galactosyltransferase
gene expression, brain 3451
nucleotide sequences 3451
ceruloplasmin
gene mapping, DNA hybridization 5254
promoters, DNA binding proteins, transcription 3505
chloride
channels
gene expression 3934
nucleotide sequences 3934
cholesterol 7α-monooxygenase
nucleotide sequences 2991
promoters, liver cells 2991
transcription, enhancers 4057
chromosomes
gene mapping
DNA hybridization 1965
restriction fragment length polymorphism 1965
colony stimulating factor, muscles, nucleotide sequences 4501
creatine kinase, gene expression, muscles, transgenics 5764
cyclic-nucleotide phosphodiesterase, nucleotide sequences 5613
cystatin
nucleotide sequences 652
promoters, gene expression 652
cysteine-rich proteins
gene expression 1781
nucleotide sequences 1781
cytochrome P450 aromatase, transcription, DNA binding proteins 1310
cytochrome synthase
gene expression 4528
nucleotide sequences 4528
cytochromes
arachidonic acid epoxygenase
gene expression 5589
nucleotide sequences 5589
gene expression 802, 3541
liver, gene expression, cell lines 4585
nucleotide sequences 802, 3541, 3945
RNA
alternative splicing
kidneys 3541
prostate 3541
cytokines
gene expression 269
nucleotide sequences 674
receptors
transcription factors
liver, gene expression 5184
mammary glands, gene expression 5184
diazepam binding inhibitor
nucleotide sequences 5053
promoters, transcription 5053
DNA binding proteins
nucleotide sequences 188
muscles 5621
transcription 5162
DNA probes, flow cytometry, chromosomes 4208
DNA topoisomerase
gene expression, brain 5762
nucleotide sequences 2918
brain 5762
dopamine
receptors
gene expression 4588
nucleotide sequences 4588
RNA, alternative splicing 4588
drug resistance
gene mapping, DNA hybridization 374
nucleotide sequences, gene expression 765
dynamin
gene expression 259
nucleotide sequences 259
dynein, nucleotide sequences 198

Rats *cont.*
electroporation, gene transfer, adipocytes 4759
ELISA
detection, prolactin 4765
Streptobacillus 1473
elongation factors, nucleotide sequences, mitochondria 1763
embryonic stem cells, cell lines 6598
embryos
in vitro development
culture media 4796
glucose 4794
osmolarity 4794
phosphate 4794
oocytes, age 3755
uterus, epithelium, cells 4796
endonucleases
gene expression 2925
nucleotide sequences 2925
esterases, blood proteins, gene mapping 4142
α-fetoprotein
activation
ovalbumin, promoters, transcription factors 4049
retinoids, receptors 4049
nucleotide sequences 3504
repression
ovalbumin, promoters, transcription factors 4049
retinoids, receptors 4049
targeted mutagenesis, transcription, DNA binding proteins 3504
enhancers, promoters, transcription 838
fibrinogen, receptors, nucleotide sequences 2887
fibroblast growth factors
receptors
DNA, alternative splicing, kidneys, development 5154
gene expression 716
kidneys 5154
nucleotide sequences 716
kidneys 5154
fibronectins, promoters, c-AMP, response element, DNA binding proteins 3533
α-L-fucosidase, restriction fragment length polymorphism, gene mapping 3592
G proteins
gene expression 245, 2321, 4596
nucleotide sequences 245, 2321, 4596
receptors
gene expression, tongue 757
nucleotide sequences, tongue 757
RNA, alternative splicing 245
gene expression
regulation
heart 3306
myocardium 3306
gene mapping 3062
homeo box, restriction fragment length polymorphism 1394
linkage 4695
retinoblastoma-1, DNA hybridization 4685
gene transfer
heart, techniques 3306
myocardium, techniques 3306
proto-oncogenes, heart, injection 2205
genes
homeo box
gene expression, muscles, cells 2323
mutations, brain, embryos 2998
nucleotide sequences, muscles, cells 2323
neurogenesis, nucleotide sequences 2336
geranylgeranyl transferase
gene expression 759
nucleotide sequences 633, 759
glial fibrillary acidic protein, gene expression, c-AMP 5150
glucagon-like peptide, receptors, introns, nucleotide sequences 2922
glucocorticoids, receptors, nucleotide sequences, strain differences 663

Rats *cont.*
glucose
transporters
gene expression, central nervous system 5748
genetic polymorphism, gene mapping 3592
nucleotide sequences, neurons 5748
restriction fragment length polymorphism, gene mapping 3592
glucose-dependent insulinotropic peptide
gene expression 3948
nucleotide sequences 3948
glutamate
receptors
DNA, polyadenylation 2334
nucleotide sequences 2334
glutamates
receptors
gene expression, eyes 686
nucleotide sequences, eyes 686
glyceraldehyde-3-phosphate dehydrogenase, pseudogenes, nucleotide sequences 2894
glycogen phosphorylase, promoters, nucleotide sequences 668
glycoproteins
antigens, nucleotide sequences 5607
brain, nucleotide sequences 262
gene expression
brain 262
transcription factors, liver 5744
nucleotide sequences, pancreas 196
GnRH
gene expression
mammary glands
lactation 5175
pregnancy 5175
receptors
gene expression
ovaries 5174
pituitary 5174
nucleotide sequences 1782, 5174
granulocytes, colony stimulating factor, nucleotide sequences 2920
growth and reproduction complex, nucleotide sequences, deletions 3957
growth factors
fibroblasts, receptors, RNA, alternative splicing, prostate 4597
liver cells
gene expression 5135
nucleotide sequences 5135
nucleotide sequences 175
liver cells 3972
transcription, liver cells 3972
vascular epithelial
brain
gene expression 4583
nucleotide sequences 4583
guanosine monophosphate
protein kinase
gene expression 5615
nucleotide sequences 5615
heat shock proteins
promoters
DNA binding proteins, gene expression 3000
nucleotide sequences 3000
heme oxygenase, promoters, nucleotide sequences 3000
hepsin, nucleotide sequences 3942
histamine
receptors
gene expression 181, 5048
nucleotide sequences 181
histones, pseudogenes, nucleotide sequences 654
3β-hydroxysteroid dehydrogenase
gene expression 5609
nucleotide sequences 5609
immunoglobulins, nucleotide sequences 3974
in vitro fertilization
calcium 1578
oocytes, age 3755
inbred strains, genetic contamination, DNA fingerprinting 1959

Rats *cont.*
- inflammation, gene expression, interleukins, liver 5184
- inhibin, transcription, Sertoli cells, c-AMP 811-812
- initiation factors
  - gene expression 840
  - nucleotide sequences 840
  - transcription 840
- inositol trisphosphate
  - receptors
    - gene expression 644
    - nucleotide sequences 644
- insulin
  - promoters, transcription, induction, glucose 3531
  - receptors
    - gene expression 5586
    - nucleotide sequences 5586
    - RNA, alternative splicing 5586
  - transcription, DNA binding proteins 6345
- insulin-like growth factor
  - binding proteins, nucleotide sequences 1793
  - gene expression, reviews 5755
  - nucleotide sequences 2996
  - receptors, promoters, transcription, platelet-derived growth factor 5181
- integrins, nucleotide sequences 2887
- interferon, regulatory factor, promoters, prolactin, protein binding elements 4497
- interleukins
  - gene expression 3510
  - nucleotide sequences 3510
  - transfection, Adenoviridae, liposomes, gene expression, cell lines 3845
- involucrin, nucleotide sequences 2891
- ion exchange
  - proteins
    - DNA, alternative splicing 5066
    - gene expression 837, 5066
    - nucleotide sequences 837, 5066
- isocitrate dehydrogenase (NAD), nucleotide sequences 5597
- kallikrein, binding proteins, gene expression, *Escherichia coli* 801
- kininogens
  - nucleotide sequences, liver 5580
  - promoters
    - nucleotide sequences 2388
    - transcription, DNA binding proteins, interleukins 2388
- leukocytes, antigens, gene mapping, DNA hybridization 916
- LH, receptors, promoters, nucleotide sequences 5148
- linkage
  - gene mapping 4136
  - steroid 11β-monooxygenase
    - blood pressure 3049
    - corticoids, synthesis 3049
- lipids, binding proteins, nucleotide sequences 658
- lipoprotein lipase, gene expression, transcription factors 1319
- lithostatine, nucleotide sequences, pancreas 4506
- macrophages, colony stimulating factor, nucleotide sequences 2920
- major histocompatibility complex
  - gene expression 3957
  - gene mapping, polymerase chain reaction 3988
  - nucleotide sequences 191, 1773, 2335, 3957, 3988
- mammary gland factor, gene expression, prolactin, mammary glands 5184
- α-mannosidase, gene expression 5056
- marker genes
  - gene expression, promoters, adipocytes 4759
  - gene transfer, liver, endocytosis, hepatectomy 562
  - restriction fragment length polymorphism, linkage, gene mapping 3592
- membrane proteins, nucleotide sequences, spermatozoa 687

Rats *cont.*
- metallothionein, gene mapping, DNA hybridization 5254
- microsatellites, gene mapping 1952
- migration inhibitory factor
  - macrophages
    - gene expression, arthritis 4581
    - nucleotide sequences 4581
- milk proteins, promoters, gene expression, transgenics 5504
- mitochondrial DNA, binding proteins, nucleotide sequences 713
- mitochondrial processing peptidase, nucleotide sequences 187
- monooxygenases
  - gene expression, liver 4044
  - nucleotide sequences, liver 4044
- mucins, nucleotide sequences 5079
- myosins
  - gene expression 5603
    - DNA binding proteins, muscles 5621
  - nucleotide sequences 5603
  - RNA, alternative splicing 5603
- neoplasms, liver, gene therapy, retroviral vectors, thymidine kinase, nucleosides, analogues 561
- neural cell adhesion molecule, promoters, gene expression, cell lines 2983
- neurexins, RNA, alternative splicing, gene expression 267
- neurotransmitters, RNA editing 5732
- nitric-oxide synthase, nucleotide sequences, liver cells 1791
- nucleoproteins, nucleotide sequences, cartilage 5088
- nucleotide sequences
  - brain 2914
  - 2′-5′ oligoadenylate synthetase 129
- odours, receptors, olfactory organs, RNA hybridization 268
- oestrogen receptors
  - gene expression 826
  - RNA, alternative splicing 826
- oncogenes
  - cell lines, brown fat, immortalization 2310
  - splicing, gene expression 763
- opioid peptides
  - receptors
    - gene expression 806, 3511, 3525
    - nucleotide sequences 806, 3460, 3511, 3525
- opioids
  - receptors
    - gene expression 3441
    - nucleotide sequences 3441
- ornithine-oxo-acid transaminase
  - nucleotide sequences 700
  - promoters, gene expression 700
- oxytocin
  - gene expression 2383
  - promoters 2383
- pancreas islets
  - regeneration
    - gene expression 5616
    - gene mapping, DNA hybridization 5616
    - nucleotide sequences 5616
- pancreatic elastase II, genetic polymorphism, gene mapping 3592
- peptidases, mitochondrial DNA, nucleotide sequences, liver 3447
- peroxidases, gene expression, DNA binding proteins, thyroid gland 2980
- phosphate
  - transporters
    - gene expression 6344
    - nucleotide sequences 6344
- phosphatidylethanolamine *N*-methyltransferase
  - gene expression, cell lines 5572
  - nucleotide sequences 5572
- phospholipase C
  - nucleotide sequences 185, 4511, 4584
  - brain 5592
  - promoters, transcription 4584
- phosphoprotein phosphatase
  - gene expression, spermatogenesis 786
  - nucleotide sequences 786

Rats *cont.*
- phosphoproteins
  - insulin-stimulated
    - gene expression 5049
    - nucleotide sequences 5049
- plasminogen activator
  - promoters, protein, binding elements, transcription, regulation 5750
  - receptors
    - nucleotide sequences 6237
    - RNA, alternative splicing 6237
- platelet-derived growth factor, nucleotide sequences 3947
- polypeptides
  - ribonucleoproteins
    - nucleotide sequences 5037
    - RNA, alternative splicing 5037
- potassium
  - channels
    - gene expression
      - brain 2905
      - heart 2905, 3430
    - nucleotide sequences
      - brain 2905
      - heart 2905, 3430, 6223
- preprotachykinin, nucleotide sequences 4504
- probasin
  - gene expression, regulation, androgens 691
  - promoters, nucleotide sequences 691
- prodynorphin, promoters, gene expression 4576
- progesterone
  - receptors
    - promoters
      - gene expression
        - c-AMP 3960
        - oestrogens 3960
      - nucleotide sequences 3960
      - transcription
        - c-AMP 4054
        - HCG 4054
- prohibitin, nucleotide sequences, testes 5029
- prolactin
  - DNA methylation, DNA binding proteins 5339
  - gene expression, inhibition, DNA binding proteins 4035
  - promoters, activation, pituitary, adenylate cyclase, activating polypeptide 5723
- proline-rich proteins, DNA binding proteins, gene expression, salivary glands 188
- proprotein convertases
  - gene expression 189
  - nucleotide sequences 189
- prostaglandin-endoperoxide synthase
  - nucleotide sequences 825
  - transcription, gonadotropins 825
- prostaglandins
  - receptors
    - gene expression, kidneys 4594
    - nucleotide sequences 4594
- proteasomes, nucleotide sequences 3444, 5069
- protein kinase
  - gene expression 1765
    - binding proteins, brain 769
  - haem
    - gene expression 5063
    - nucleotide sequences 5063
  - nucleotide sequences 1765, 5061
  - promoters, binding proteins, brain 769
  - RNA, alternative splicing 5061
- protein synthesis
  - elongation factors
    - gene expression 798
    - nucleotide sequences 798
- protein-tyrosine--hosphatase
  - gene expression 5601
  - nucleotide sequences 5601
- protein-tyrosine kinase
  - gene expression, intestines, embryos 4582
  - nucleotide sequences 4582
  - RNA, alternative splicing, prostate 4597

Rats *cont.*
protein-tyrosine-phosphatase
gene expression, brain, embryos 6239
nucleotide sequences 6239
protein-tyrosine phosphatase, RNA, alternative splicing 5601
proteinase inhibitors, nucleotide sequences 2914
proteins
cerebellum
gene expression 5078
nucleotide sequences 5078
oligomycin sensitivity, nucleotide sequences 4507
prostate
nucleotide sequences 2396
transcription factors
androgens 2396
glucocorticoids 2396
proto-oncogenes
mutations, genetic transformation, fibroblasts 3417
promoters, activation, pressure, heart, targeted mutagenesis 2205
transcription, promoters, genes, sex determination 5142
pseudogenes
nucleotide sequences 5053
α-tubulin, gene mapping 3592
random amplified polymorphic DNA, primers, DNA fingerprinting 2566
receptors
glucocorticoids, synergism, gene expression 5161
thyroid hormones, synergism, gene expression 5161
Retroviridae, receptors, nucleotide sequences 2333
ribosomal RNA, promoters, transcription factors 782
ribosomes
nucleotide sequences 3428
proteins, nucleotide sequences 3939
serine proteinase, nucleotide sequences 3942
serotonin
receptors
gene expression 1870, 5757
brain 2407, 2911, 3977
nucleotide sequences 1870, 2407, 2911, 5073, 5757
brain 3977
sialyltransferases
gene expression 681
nucleotide sequences 681, 5057
simian virus 40, antigens, cell lines, brown fat, immortalization 2310
sodium
channels
gene expression 4692
nucleotide sequences, brain 5577
RNA, alternative splicing, brain 5577
exchangers, gene mapping, DNA hybridization 6501
transporters
gene expression 258
nucleotide sequences 258
transcription 258
somatostatin
DNA binding proteins
gene expression
intestines 2997
pancreas 2997
nucleotide sequences 2997
gene mapping 1938
somatotropin
antisense DNA, transgenics, growth 1130
gene expression
pituitary, transcription factors 3536
thyroid hormones, receptors 3536
transgenics 5504
gene transfer, abnormalities 6163
promoters
gene expression 4039
transcription factors 5164
regulation
retinoic acid 2989
triiodothyronine 2989

Rats *cont.*
somatotropin *cont.*
promoters *cont.*
triiodothyronine, response elements 5143
silencers, gene expression 4039
spermatogenesis, DNA binding proteins 2384
spermatozoa, proteins, nucleotide sequences 5584
steroid 11β-monooxygenase, mutations, restriction fragment length polymorphism 3049
sulfate
transporters
gene expression 258
nucleotide sequences 258
transcription 258
superoxide dismutase, restriction fragment length polymorphism, gene mapping 3592
synaptonemal complex
gene expression, testes 3438
nucleotide sequences, testes 3438
syntaxins
gene expression, nervous system 5567
nucleotide sequences, nervous system 5567
T lymphocytes
receptors
gene expression 3984
nucleotide sequences 3982, 3984
thyroid hormones, receptors, targeted mutagenesis 2871
thyroprotein, receptors, promoters, DNA binding proteins, c-AMP, response element 2416
α-tocopherol
transport protein
gene expression 5606
nucleotide sequences 5606
transcription, termination, bacteria, mitochondrial DNA 3535
transcription factors
gene expression
nervous system 813
skin, embryos 758
nucleotide sequences 697
kidneys 3461
olfactory neuronal
gene expression 5081
nucleotide sequences 5081
promoters, nucleotide sequences, liver 5158
RNA, alternative splicing, prolactin, gene expression 4575
transferrin, Adenoviridae, gene transfer, lungs 5472
transforming growth factor
gene expression, spermatogenesis 810
receptors
gene expression 1788
nucleotide sequences 1788
tricarboxylate transport protein, nucleotide sequences, mitochondria 5588
tropoelastin, gene mapping 4136
tropomyosins
exons, splicing, gene expression, muscles 6342
RNA
alternative splicing
fibroblasts 5730
muscles, cells 5730
troponin
nucleotide sequences 1302
RNA, alternative splicing 1302
tumour necrosis factor, gene mapping, restriction fragment length polymorphism 3061
tyrosine aminotransferase
gene expression
glucocorticoids, cell lines 4037
insulin, cell lines 4037
transcription
c-AMP 5178
glucocorticoids 5178
tyrosine 3-monooxygenase
promoters
gene expression, proto-oncogenes, nerve growth factor 4579

Rats *cont.*
tyrosine 3-monooxygenase *cont.*
promoters *cont.*
transcription factors, gene expression, repression 4034
transcription, DNA binding proteins 5738
β-ureidoproprionase, nucleotide sequences 676
UTP-hexose-1-phosphate uridylyltransferase, nucleotide sequences 667
vectors, gene transfer, lungs 5472
water
transporters
gene expression, kidneys 718
nucleotide sequences, kidneys 718
whey protein, promoters, DNA footprinting 3007
Rauvolfia serpentina
cell culture, glycosides 4829
genetic transformation, *Agrobacterium rhizogenes* 3386
tissue culture, alkaloids 3386
Receptor-like protein kinases
gene expression, *Petunia inflata* 5667
nucleotide sequences, *Petunia inflata* 5667
Receptors
acetylcholine
nucleotide sequences
insects 2919
mice 3959
promoters
nucleotide sequences, rats 5195
transcription, DNA binding proteins, rats 5195
activin
gene expression, cell lines 2341
nucleotide sequences, rats 2341
adenosine, nucleotide sequences, rabbits 1203
adenylate cyclase
activating polypeptide
gene expression
cell lines 1315
pituitary, rats 3532
nucleotide sequences
pituitary, rats 3532
rats 1315
RNA, alternative splicing, pituitary, rats 3532
adenylate cyclase-activating polypeptide
gene expression, pituitary, rats 4580, 4593
nucleotide sequences, pituitary, rats 4580, 4593
adrenergic, nucleotide sequences, mice 2888
γ-aminobutyric acid
gene expression, fowls 3517
nucleotide sequences, fowls 3517
androgens
DNA binding proteins, prostate, promoters, regulation, cell lines 2984
messenger RNA, polymerase chain reaction, rats, techniques 5350
promoters
gene expression
c-AMP, mice 4048
mice 5146
rats 828
nucleotide sequences, rats 828
angiotensin
gene expression
rats 2897
turkeys 1764
gene mapping, DNA hybridization, rats 4680
nucleotide sequences
rats 2897
turkeys 1764
transcription factors, cell lines, rats 2408
asialoglycoproteins, nucleotide sequences, mice 710
bradykinin
gene expression, rats 5068
nucleotide sequences, rats 5068
targeted mutagenesis, gene expression, rats 5002

Receptors *cont.*
calcitonin
gene expression, rats 632
nucleotide sequences, rats 632
calcium, nucleotide sequences, parathyroid, cattle 3426
corticoliberin
gene expression, pituitary, mice 5080
nucleotide sequences, pituitary, mice 5080
cytokines
gene mapping, mice 701
nucleotide sequences, mice 701, 5761
transcription, liver, pregnancy, mice 5761
transcription factors
liver, gene expression, rats 5184
mammary glands, gene expression, rats 5184
dihydropyridine, gene mapping, molecular genetics, mice 1397
dopamine
gene expression, rats 4588
nucleotide sequences
mice 777
rats 4588
RNA
alternative splicing
mice 777
rats 4588
endocytosis, DNA, uptake, cells, fowls 4956
endoplasmic reticulum
gene expression, cattle 712
nucleotide sequences, cattle 712
epidermal growth factor
gene expression, cell lines 3431
nucleotide sequences
mice 3431
mutations, abnormalities, hair, mice 3967
erythropoietin, silencers, transcription, mice 5766
fibrinogen
nucleotide sequences
mice 2887
rats 2887
fibroblast growth factors
DNA, alternative splicing, kidneys, development, rats 5154
gene expression
epidermis, transgenics, mice 597
kidneys, rats 5154
mice 1300
rats 716
nucleotide sequences
kidneys, rats 5154
mice 1300
rats 716
RNA, alternative splicing, mice 1300
G proteins
gene expression, tongue, rats 757
nucleotide sequences, tongue, rats 757
oocytes, activation, acetylcholine, mice 3236
gene transfer, cell lines, techniques, books 6128
glucagon-like peptide, introns, nucleotide sequences, rats 2922
glucocorticoids
α-amylase, gene expression, targeted mutagenesis, cell lines 2417
antisense DNA
energy balance, transgenics, mice 4969
lipid metabolism, transgenics, mice 4969
gene expression
chemical treatment, cell lines, mice 5182
heat shock, cell lines, mice 5182
nucleotide sequences
guineapigs 5153
strain differences, rats 663
synergism, gene expression, rats 5161
glutamate
DNA, polyadenylation, rats 2334
nucleotide sequences, rats 2334
glutamates
gene expression, eyes, rats 686

Receptors *cont.*
glutamates *cont.*
nucleotide sequences, eyes, rats 686
glycoproteins
blood coagulation factors
gene transfer, liver, rats 3304
transfection, liver cells, rats 3304
GnRH
gene expression
cell lines 1782
ovaries, rats 5174
pituitary, rats 5174
nucleotide sequences
mice 1782
rats 1782, 5174
growth factors, fibroblasts, RNA, alternative splicing, prostate, rats 4597
H-Y antigen, transgenics, T lymphocytes, mice 1134
hepatocyte growth factor, gene expression, embryos, mice 4592
histamine
gene expression
guineapigs 5048
rats 181, 5048
nucleotide sequences
guineapigs 5048
rats 181
hormones, isolation techniques 672
inositol trisphosphate
gene expression, rats 644
nucleotide sequences, rats 644
insulin
gene expression, rats 5586
nucleotide sequences
adipocytes, mice 4509
rats 5586
RNA, alternative splicing, rats 5586
insulin-like growth factor
antisense DNA, targeted mutagenesis, mice 3539
gene expression, kidneys, embryogenesis, mice 3539
nucleotide sequences, mice 3539
promoters, transcription, platelet-derived growth factor, rats 5181
targeted mutagenesis
embryonic development, mice 5716
growth, mice 5716
interferon
gene expression, mice 4040
nucleotide sequences, cattle 3966
targeted mutagenesis
embryonic stem cells, mice 156
gene therapy, myoblasts, mice 4493
immune response, viruses, mice 6214
macrophages, activation, mice 156
major histocompatibility complex, antigens, mice 156
interleukins
gene expression
cell lines 2324
mice 5247
gene mapping, mice 897, 5247
nucleotide sequences, mice 2324, 2903, 3962
laminins
gene expression, mice 5570
nucleotide sequences
Arabidopsis thaliana 2928
mice 5570
LH, promoters, nucleotide sequences, rats 5148
ligands
protein-tyrosine kinase, haematopoiesis, stem cells, proliferation, mice 5043
proto-oncogenes, nucleotide sequences, mice 6236
tyrosine kinase, nucleotide sequences, mice 2330
lipoproteins
cholesteryl esters, transfer proteins, gene transfer, mice 2226
targeted mutagenesis, embryonic development, mice 616
low density lipoprotein
gene expression, mice 1772

Receptors *cont.*
low density lipoprotein *cont.*
nucleotide sequences, mice 1772
restriction fragment length polymorphism, cattle 370
macroglobulins, nucleotide sequences, mice 3965
macrophages
colony stimulating factor
promoters
gene expression, cell lines 2425
transcription, cell lines 2425
mannose-6-phosphate, targeted mutagenesis, embryonic stem cells, lysosomes, proteins, mice 5549
melanotropins, genes, colour, molecular genetics, mice 818
odours, olfactory organs, RNA hybridization, rats 268
oestrogens
gene expression, embryonic development, mice 1852
lactoferrin, transcription, DNA binding proteins, mice 3521
targeted mutagenesis
embryonic stem cells
fertility, mice 2290
genitalia, development, mice 2290
opioid peptides
gene expression
brain
guineapigs 5084
mice 1846
drugs, screening, cell lines 3460
mice 197
rats 806, 3511, 3525
gene mapping, restriction fragment length polymorphism, mice 1846
nucleotide sequences
brain, mice 1846
guineapigs 5084
mice 197
rats 806, 3460, 3511, 3525
opioids
gene expression, rats 3441
nucleotide sequences, rats 3441
parathyrin
nucleotide sequences, mice 5062
transcription, mice 5062
peroxisomes
gene mapping, restriction fragment length polymorphism, mice 6497
proliferators
gene expression, mice 2344
nucleotide sequences, mice 2344
plasminogen activator
nucleotide sequences
cattle 675
rats 6237
RNA, alternative splicing, rats 6237
progesterone
DNA, binding site, fowls 815
gene expression, embryonic development, mice 1852
promoters
gene expression
c-AMP, rats 3960
oestrogens, rats 3960
nucleotide sequences, rats 3960
transcription
c-AMP, rats 4054
HCG, rats 4054
prolactin
gene expression, cattle 5034
nucleotide sequences, cattle 5034
prostacyclin
gene expression, mice 5067
nucleotide sequences, mice 5067
prostaglandins
gene expression, kidneys, rats 4594
nucleotide sequences
cattle 3523
rats 4594
RNA, alternative splicing, cattle 3523
protein kinase
nucleotide sequences, fowls 3445

Receptors *cont.*
protein kinase *cont.*
targeted mutagenesis, embryonic stem cells, mice 2870
protein-tyrosine kinase
ligands, nucleotide sequences, mice 5043
nucleotide sequences, mice 5059
retinoic acid
gene mapping, mice 2535
targeted mutagenesis
embryonic stem cells, mice 618
gene expression, cell lines 2287
retinoids
α-fetoprotein
activation, rats 4049
repression, rats 4049
gene expression, mice 1309
myosins, transcription, activation, mice 2999
nucleotide sequences, mice 1309
Retroviridae, nucleotide sequences, rats 2333
Rous sarcoma virus, nucleotide sequences, quails 2317
ryanodine
restriction fragment length polymorphism, porcine stress syndrome, pigs 358
targeted mutagenesis
embryonic stem cells, mice 6215
muscles, abnormalities, mice 6215
serotonin
gene expression
brain, rats 2407, 2911, 3977
mice 2909
rats 1870, 5757
gene mapping, DNA hybridization, mice 2909
nucleotide sequences
brain, rats 3977
mice 2909
rats 1870, 2407, 2911, 5073, 5757
somatoliberin
gene mapping
mice 4127
molecular genetics, mice 1936
mutations
anterior pituitary, mice 5163
dwarfism, mice 4127
somatotropin
gene mapping, DNA hybridization, pigs 6462
mutations
gene expression, cell lines 1304
nucleotide sequences, dwarfism, fowls 1304
transfection, gene expression, vaccinia virus, cell lines 5016
steroid hormones, prolactin, gene expression, inhibition, cattle 4032
surfactants
lungs
gene expression
mice 5611
rabbits 5611
nucleotide sequences, pigs 5611
T lymphocytes
allelic exclusion, transgenics, protein-tyrosine kinase, mice 3321
DNA fingerprinting, livestock 2497
enhancers
gene expression, mice 4587
recombination
mice
cell cycle 5721
tissue specificity 5721
gene expression
cattle 2343
rats 3984
gene transfer, diabetes, transgenics, mice 2227
lymphocytic choriomeningitis virus, glycoproteins, gene transfer, diabetes, mice 4965
major histocompatibility complex, diabetes, gene expression, transgenics, mice 42
maturation, targeted mutagenesis, mice 2868

Receptors *cont.*
T lymphocytes *cont.*
mouse mammary tumour virus, transmission, transgenics, mice 586
nucleotide sequences
dogs 3975
mice 3956, 3963, 3978, 3981
rabbits 3952
rats 3982, 3984
promoters, transcription, mice 5722
repetitive DNA, polymorphism, Artiodactyla 1393
silencers, transcription, mice 5722
targeted mutagenesis
embryonic stem cells, intestinal diseases, mice 1745
mice 2866
thyroid hormones
promoters, response elements, mice 5151
somatotropin, gene expression, rats 3536
synergism, gene expression, rats 5161
targeted mutagenesis
mice 2871
rats 2871
thyroprotein, promoters, DNA binding proteins, c-AMP, response element, rats 2416
thyrotropin
nucleotide sequences, mutations, hypothyroidism, mice 4494
targeted mutagenesis, gene expression, cell lines, mice 4494
thyrotropin releasing hormone, gene mapping, microsatellites, mice 1953
transferrin, gene transfer, techniques, cell lines 566
transforming growth factor
gene expression, rats 1788
nucleotide sequences, rats 1788
tumour necrosis factor, targeted mutagenesis, *Listeria monocytogenes,* susceptibility, mice 2869
tyrosine kinase
binding proteins
gene expression
ovaries, mice 1311
testes, mice 1311
mutations
gene expression
ovaries, mice 1306
Sertoli cells, germ cells, binding, mice 1312
testes, mice 1306
gene expression
embryos, mice 1863
fowls 1226
mice 255
gene mapping, restriction fragment length polymorphism, mice 1863
haematopoiesis
gene expression, mice 5050
nucleotide sequences, mice 5050
nucleotide sequences
cattle 1863
fowls 1226
mice 1863
proto-oncogenes, mast cells, mice, reviews 2393
transcription, pigs 255
vitamin D, promoters, binding elements, intestines, fowls 4578
Recombinant DNA (*see also* DNA; Genetic engineering)
DNA probes, yeast artificial chromosomes, techniques 6586
gene expression, enhancement, butyric acid, analogues, cell lines, mammals 3507
somatotropin, synthesis, *Escherichia coli* 144
techniques, books 4924, 5467
vectors, bacteriophages, electroporation 4386
Recombinant vaccines (*see also* Vaccines)
Aujeszky virus, biosafety 1189
Babesia 61
biosafety, nontarget organisms 1186
bovine papillomavirus, cattle 141

Recombinant vaccines *cont.*
fishes, reviews 607
influenzavirus, fowls 2207
interferon, Rhabdoviridae, fishes 4525
Pseudomonas aeruginosa, disease resistance, major histocompatibility complex, mice 1188
rabies virus
biosafety, sheep 1186
mice 143
recombination, experimental infection, Aujeszky virus, pigs 142
Streptococcus pneumoniae, gene transfer, mice 4411
Trichinella spiralis, immunization, mice 4979
vectors, poultry 3385
Recombinases
gene expression, *Nicotiana tabacum* 4093
genetic engineering, eukaryotes, reviews 5333
genetic transformation, *Nicotiana tabacum* 4093
targeted mutagenesis, techniques 5325
Recombination
acetolactate synthase, *Arabidopsis thaliana* 4439
activation, nucleotide sequences, rabbits 660
analysis, plasmids, gene transfer, cell lines 2763
chloroplast genetics
Brassica juncea 5217
Brassica oxyrrhina 5217
detection, vectors, shuttle, cells, mice 4925
DNA, genes, reviews 6445
DNA repair, nucleotide sequences, fowls 5022
genetic transformation
cowpea chlorotic mottle bromovirus, *Nicotiana benthamiana* 3363
Nicotiana bigelovii 2267
Nicotiana plumbaginifolia 2468
Nicotiana tabacum 1114
plants 4910
viruses, plants 3804, 6728
genomes, evolution, reviews 5133
gliadin, *Triticum aestivum* 4727
herbicide resistance, *Arabidopsis thaliana* 4439
immunoglobulins
DNA methylation, mice 5726
isotype switching, mice 4591
nucleotide sequences, cell lines 182
major histocompatibility complex, nucleotide sequences, mice 1784
mitochondrial genetics
Petunia hybrida 1247
plants 1874
Nicotiana tabacum 4495
nucleotide sequences
Arabidopsis thaliana 2930
Petunia hybrida 1247
statistical analysis 2923
repetitive DNA, *Triticum aestivum* 4088
T lymphocytes
receptors
enhancers
mice
cell cycle 5721
tissue specificity 5721
yeasts, reviews 2489
Zea diploperennis 2941
Zea luxurians 2941
Zea mays 2941
Recoverin, gene mapping, restriction fragment length polymorphism, mice 905
Red deer
oestrus, synchronization, reviews 1589
ovulation rate, superovulation 6058
pregnancy rate, embryo transfer 6058
superovulation
FSH 6058
PMSG 6058
Redox reactions, gene expression, *Nicotiana tabacum* 6417
Reducing sugars
protoplast fusion
Solanum phureja 4959
Solanum tuberosum 4959

Refuse
anaerobic digestion
amendments, soil, production 6095
methane production 6086, 6095
application to land, biodegradation, Saudi Arabia 3785
composting, bioreactors 3786
Regeneration
anther culture
Brassica juncea 3169
Catharanthus roseus 5416
Fagopyrum esculentum 3758
Helianthus annuus 3243
Hordeum vulgare 6187
Oryza sativa 4321
Sorghum bicolor 4317
Triticum aestivum 1065, 2139, 6686
cell culture
Allium cepa 6652
Allium fistulosum 6652
Hordeum vulgare 6626
Oryza sativa 3716
embryo culture
Carya illinoinensis 484
Hordeum vulgare 6626
Ocotea catarinensis 4275
Oryza sativa 6615
Triticum aestivum 5390
gene expression
1,4-α-glucan branching enzyme, *Manihot esculenta* 6423
starch synthase, *Manihot esculenta* 6423
genetic transformation
Dendranthema grandiflora 6153
Nicotiana plumbaginifolia 6642
Pisum sativum 4395
Sinapis alba 2778
in vitro culture
Asplenium nidus 1054
cereals 3731
Leucojum aestivum 6024
Lilium rhodopaeum 6024
induced mutations, *Arabidopsis thaliana* 6661
mutations, *Nicotiana plumbaginifolia* 6642
protoplast fusion
interspecific hybridization
Hyoscyamus albus 6156
Hyoscyamus muticus 6156
protoplasts
Arabidopsis thaliana 504
Brassica campestris 3224
Brassica oleracea 2634, 4301, 5388
Diospyros kaki 1027
Gossypium hirsutum 3202
Hordeum murinum 3751
Hordeum vulgare 1036, 3184, 6626
Lilium maculatum 6026
Lilium speciorubel 6026
Medicago polymorpha 2107
Mentha piperita 501
Nicotiana glauca 4841
Nicotiana plumbaginifolia 6642
Oryza 463
Oryza granulata 1541
Oryza sativa 3716, 4300, 6615
Passiflora 3178
Petunia hybrida 5396
Pleurotus salmoneostramineus 4303
Poa pratensis 489
Sorghum bicolor 1035
Vigna angularis 1567
somaclonal variation, *Triticum aestivum* 5553
tissue culture
Adhatoda beddomei 3212
Aegle marmelos 999
Agropyron desertorum 6637
Albizia julibrissin 3209
Allium cepa 505
Allium sativum 505
Allium senescens 1016
Arabidopsis thaliana 6661
Arachis hypogaea 3708
Bambusa tulda 6651
Bambusa vulgaris 6651
Beta vulgaris 4268
Brassica napus 2651
Brassica oleracea 505, 996
Regeneration *cont.*
tissue culture *cont.*
Cajanus cajan 3708, 5386
Capsicum annuum 2088, 3180
Carica papaya 3186, 5394
Carthamus tinctorius 3201
Cicer arietinum 6614
Coix lacryma-jobi 3722
Commiphora wightii 4810
Cowania mexicana 4822
Cowania subintegra 4822
Cucumis melo 5391
Dendranthema grandiflora 6153
Dendrocalamus hamiltonii 6653
Dendrocalamus longispathus 6651
Dendrocalamus strictus 460
Gladiolus 5399
1,4-α-glucan branching enzyme, *Manihot esculenta* 6423
Gossypium hirsutum 5995
Haworthia 2104
Jatropha integerrima 4295
Larix decidua 4807
Lupinus luteus 990
Malus pumila 6662
Meconopsis paniculata 5400
Meconopsis simplicifolia 1026
Medicago polymorpha 2107
Nicotiana tabacum 2651
Oryza sativa 3718, 4253
Passiflora 4256
Pelargonium graveolens 6645
Pelargonium hortorum 2085
Petunia hybrida 982
Pisum sativum 4395
Prunus avium 4843
Robinia pseudoacacia 2612
Saintpaulia ionantha 4278
Sempervivum tectorum 4255
Sesbania 1039
Solanum tuberosum 6631
starch synthase, *Manihot esculenta* 6423
Tagetes mendocina 3699
Trifolium repens 5401
triticale 2651
Triticum aestivum 505, 2651, 3738, 4279, 6637
Vetiveria zizanioides 3734
Vigna radiata 6628
Zea mays 6027, 6038
Regenerative ability
anther culture
Aegilops 6681
Hordeum 6684
Lolium perenne 6688
Oryza sativa 3764, 6051
Triticum 6681
cell culture, *Saccharum* 3724
gene expression, *Zea mays* 521
genetic markers, *Zea mays* 521
in vitro selection, *Eleusine coracana* 6220
mutations, *Eleusine coracana* 6220
ovule culture, *Hordeum vulgare* 6055
protoplasts
Brassica oleracea 6624
Gossypium hirsutum 462
Hordeum vulgare 6055
Trifolium pratense 5398
somaclonal variation
Eleusine coracana 6220
Malus pumila 6217
tissue culture
Medicago falcata 2627
Oryza sativa 1554
Saccharum officinarum 1560
Zea mays 6001
Regulations
agricultural research, biotechnology, Developing Countries, reviews 2724
biotechnology 3819
biosafety 6732
European Communities 547
USA 1084
genetic engineering
Canada 1620, 1629
crops 3340
foods, USA 6727
Japan 1629
Lycopersicon esculentum, USA 6727
Regulations *cont.*
genetic engineering *cont.*
plants 1620, 2187
South America 1625
Scandinavia 1629
UK 1088, 1629
USA 1629, 6731
opinions, biosafety, products, analytical methods, genetic engineering 5452
***Rehmannia glutinosa*,** tissue culture 2277
Reindeer
embryos, *in vitro* development 4861
in vitro fertilization, oocytes 4861
in vitro maturation, oocytes 4861
oocytes, *in vitro* maturation 6045
Relaxin
gene expression
ovaries, sheep 1224
placenta, sheep 1224
uterus, sheep 1224
nucleotide sequences, sheep 1224
Release
gene flow
Solanum dulcamara 6726
Solanum nigrum 6726
Solanum tuberosum 6726
gene transfer
bacteria 1626
viruses 1626
genetic engineering 1623, 1632, 4364
bacteria 1626
Beta vulgaris 3797
Brassica napus 4365
Canada 1620
crops 3340
European Communities 1633, 2733, 3798
foods, USA 6727
France 2188, 2733
Lycopersicon esculentum 2732, 5515
USA 6727
microorganisms 2193
plants 1620, 1622, 3811
reviews 6111
Rhizobium 551
UK 1088, 3798
USA 1633, 6731
viruses 1626
genetic transformation
bacteria 1627
biosafety, crops 1656
crops 1621
microorganisms 1628
survival, environment 2727
monitoring, genetically engineered microorganisms, environment 5450
transgenics, animals, reviews 6157
Renibacterium salmoninarum
antigens, detection, ELISA, fishes 419
diagnostic techniques, comparisons, fishes 418
ELISA, detection 2578
Renin
gene expression, blood pressure, transgenics, mice 583
promoters
gene expression
kidneys, cell lines 3338
transgenics, mice 3338
reporter genes
transcription
c-AMP, cell lines, mice 4595
proto-oncogenes, cell lines, mice 4595
Repetitive DNA
blastocyst, mice 1317
cell culture, *Triticum aestivum* 164
chromosomes
structure, fowls 2338
telomeres, DNA hybridization, fowls 1956
cloning
Amaranthus cruentus 4105
Rumex acetosa 4560
DNA amplification
Aegilops 5295
Dasypyrum villosum 5792
Lycopersicon esculentum 4186
retrogenes, rodents 5251
Triticum 5295

Repetitive DNA *cont.*
DNA binding proteins, *Cucumis sativus* 352
DNA hybridization
chromosomes
cattle 3615
sheep 3615
Glycine max 5893
Rumex acetosa 4560
Secale cereale 1872, 1913, 1973
triticale 1913
Zea mays 2346
DNA methylation, *Amaranthus cruentus* 4105
DNA probes
mycorrhizal fungi 429
rust fungi 429
gene expression
brome mosaic bromovirus 134
Cucumis sativus 352
Nicotiana tabacum 3031
gene mapping
cell fusion, hybridization, cattle 4690
Elymus elongatus 4700
Oryza sativa 2551
restriction fragment length polymorphism
cattle 5255
mice 876
Triticum aestivum 4700
Zea mays 2006
gene sequencing, computer software 238
genetic transformation, *Nicotiana tabacum* 3031
genome analysis
ducks 2522
swans 2522
induced mutations, *Oryza sativa* 4708
marker genes
isolation techniques, mice 876
pigs 886
mitochondrial, nucleotide sequences, pigs 3434
mitochondrial genetics
Meloidogyne 3356
Oryza sativa 3490
plants 1874
Triticum aestivum 4088
molecular genetics
Arabidopsis thaliana 6551
Caenorhabditis elegans 96
cereals 3083
Helianthus annuus 3628
Lycopersicon esculentum 4186
Narcissus papyraceus 5197
plants 1443
Vitis 2009
Vitis vinifera 2009
nucleotide sequences
Arabidopsis thaliana 6554
Bacillus thuringiensis subsp. *darmstadiensis* 4895
Beta 4019
Crepis capillaris 732
Echinococcus granulosus 72
Elymus elongatus 4700
Eruca vesicaria 5661
fishes 5041
mice 876
Nicotiana plumbaginifolia 1266, 3992
Nicotiana tabacum 235
Oryza officinalis 2005
Oryza sativa 1839, 1842, 3490
plants 5314
species differences, fishes 1789
Triticum aestivum 4700
Vicia 2953
Vicia sativa 2953
Vitis 6584
Zea mays 2346
oocytes, mice 1317
parentage, horses 4683
polymerase chain reaction
Aegilops 5295
Arabidopsis thaliana 6554
Helianthus annuus 3628
Triticum 5295
Zea mays 2006
polymorphism, T lymphocytes, receptors, Artiodactyla 1393
promoters, *Cucumis sativus* 352
Repetitive DNA *cont.*
proteins, gene expression, testes, mice 4031
recombination, *Triticum aestivum* 4088
restriction fragment length polymorphism
cattle 356, 2532-2533, 3603, 4691
dogs 2528, 6482
Eruca vesicaria 5661
fishes 4125
fowls 3588, 6460
goats 3603
Hordeum 6506
horses 3594, 4670, 4674, 6456-6457
Leymus 6506
Meloidogyne 3356
Oryza officinalis 2005
pigs 3590, 4687
Psathyrostachys 6506
Secale cereale 1973
sheep 3603, 4663
species differences, mice 3046
Y chromosome, fowls 3602
Zea mays 2006
retrotransposons, reverse transcriptase, fowls 178
somaclonal variation
Medicago sativa 1757
Triticum aestivum 164
species differences
buffaloes, cattle 3604
fowls 3611
pigs 3611
techniques, crops 3643, 3650
von Willebrand factor, restriction fragment length polymorphism, dogs 6498
X chromosome
gene mapping, DNA hybridization, hamsters 2536
nucleotide sequences, hamsters 2536
Y chromosome
gene mapping, DNA hybridization, cattle 6502
nucleotide sequences, mice 5598
restriction fragment length polymorphism, species differences, mice 5598
yeast artificial chromosomes, *Arabidopsis thaliana* 6551
Replicase
genetic transformation
cucumber mosaic cucumovirus
Nicotiana benthamiana 2855
Nicotiana tabacum 2855
pea early browning tobravirus, *Nicotiana benthamiana* 2847
potato X potexvirus, *Nicotiana tabacum* 3890
tobacco mosaic tobamovirus
Nicotiana benthamiana 2855
Nicotiana tabacum 2855
Replication
molecular genetics, brome mosaic bromovirus, *Hordeum vulgare* 123
origin, gene mapping, *Mycoplasma capricolum* 2251
Reporter genes
DNA, transfection, cells, mammals 2768
gene expression
cell lines, hamsters 1103
dogs 2758
hydroxymethylglutaryl-CoA reductase, promoters, transgenics, mice 3527
Lycopersicon esculentum 2822
Nicotiana tabacum 6314
probasin, promoters, prostate, transgenics, mice 4407
transgenics, mice 3332
gene tagging, *Petunia hybrida* 6420
gene transfer
Adenoviridae, liver cells, gene expression, mice 2766
embryos, fowls 6129
liposomes, lymphocytes, mice 5476
muscles, diaphragm, mice 1663
plasmids, gene expression, muscles, mice 2767
retroviral vectors, liver cells, dogs 2758
transgenics, embryos, mice 2234
Reporter genes *cont.*
genes, oestrogen-responsive, oestrogens, antagonists, cell lines 1453
genetic transformation
Dianthus caryophyllus 4954
Lycopersicon esculentum 2822
Nicotiana tabacum 6314
plants 6142, 6262
injection
granulosa cells, gene expression, mice 762
oocytes, gene expression, mice 762
keratin, gene expression, embryos, transgenics, mice 4414
liposomes, gene transfer, lungs, mice 2757
microinjection, gene transfer, embryos, fowls 2232
mutations, frequency, techniques, transgenics, mice 3664
nucleotide sequences, plants 6262
Retroviridae
vectors
cell lines 5477
gene expression, embryos, fowls 5471
spleen necrosis virus, long terminal repeats, gene expression, transgenics, mice 6131
techniques, cereals 4627
transcription
renin
promoters
c-AMP, cell lines, mice 4595
proto-oncogenes, cell lines, mice 4595
vectors, *Lycopersicon esculentum* 2822
X chromosome, inactivation, transgenics, mice 3005
Reports
animal welfare, genetic engineering, veterinary medicine, UK 5456
ethics
genetic engineering
animals, veterinary medicine, UK 5456
foods, UK 3820
livestock, UK 3820
genetic engineering, biosafety 3817
UK, AFRC Institute of Plant Science Research and John Innes Institute 3843, 3889-3890, 3892, 3896, 3901, 3907, 3995, 4069, 4077, 4086, 4094, 4160, 4163, 4169, 4183, 4198, 4207, 4337, 4352, 4363
Reproduction
activin, targeted mutagenesis, mice 3925
females, somatotropin, cattle 2155
gene expression
Coprinus bilanatus 2434
Coprinus cinereus 2434
mammals, books 2739
gene transfer, somatotropin, mice 3877
genetic engineering, *Coprinus cinereus* 2434
genetic transformation, *Coprinus bilanatus* 2434
genetic variation, Australia, Crustacea 6124
inhibin, targeted mutagenesis, mice 3925
inhibition, targeted mutagenesis, mice 2866
melatonin, sheep 3245
mitochondrial DNA, nucleotide sequences, cattle 3452
PMSG, antibodies, effects, pigs 4331
toxins, diphtheria, gene expression, adipocytes, transgenics, mice 44
Research
biotechnology
Hungary, livestock 3692
marine biology, Japan 3296
embryo transfer, Hungary, livestock 3691
nutrition, transgenics, animals, reviews 5511
time, transgenics, livestock 3272
Research policy, economics, companies, USA 2182
Research support, biotechnology, UK 3837

Resistance, restriction fragment length polymorphism, *Fulvia fulva, Lycopersicon esculentum* 388
Restriction analysis
chlorophyll
Oryza sativa 5782
Spinacia oleracea 5782
cold resistance, *Triticum aestivum* 5675
DNA binding proteins
Oryza sativa 5782
Spinacia oleracea 5782
evolution, *Lens* 4182
hydrogenase, *Rhizobium* 5562
mitochondrial genetics, *Agaricus bisporus* 1434
nucleolus organizer, *Pinus sylvestris* 1435
ribosomal DNA, *Pinus sylvestris* 1435
taxonomy, Cruciferae 5930
toxins, *Bacillus thuringiensis* 4344
Restriction endonucleases
chromosome banding, fishes 5259
DNA, cloning, techniques, marker genes 6576
gene expression, *Nicotiana tabacum* 5770
gene mapping, techniques, cell lines 6569
Restriction enzymes, databases 951
Restriction fragment length polymorphism 1995, 2001
(*see also* DNA fingerprinting)
accessory chromosomes, *Secale cereale* 1973
aconitate hydratase, cattle 6492
aconitate hydrolase, sheep 5074
actin, pigs 5866
actinin, pigs 2530
adenosinetriphosphatase
gene mapping, mice 3608
pigs 900
adenylate cyclase, activating polypeptide, sheep 2537
α-adrenergic receptors, segregation distortion, strains, Dahl, rats 5868
Aegilops squarrosa 4165, 4170, 5281
albumins, pigs 4671
alkaline phosphatase, gene mapping, pigs 5859
aminopeptidases
Hordeum vulgare 4723
pigs 4661
α-amylase, *Hordeum vulgare* 4723, 5898
amyloid precursor protein, mice 1939
anaemia
gene mapping
mice 919
rats 919
thrombocytopaenia, gene mapping, mice 372
antigens
bullous pemphigoid, gene mapping, mice 359
heat stable, gene mapping, mice 2420
lymphocytes, fowls 2498, 3586
apolipoproteins, mice 362
Arabidopsis thaliana 2544
arachidonate 12-lipoxygenase, pigs 4665
arginine vasopressin
cattle 370
gene mapping, mice 367
Avena sativa 5296
avirulence, *Arabidopsis thaliana* 6197
B lymphocytes, antigens, gene mapping, mice 4141
Barbarea vulgaris 4961
Beta vulgaris, sugarbeet 6123
biglycan, gene mapping, mice 883
biochemical polymorphism, casein, cattle 3606
Borrelia burgdorferi 2823
Brassica 396
Brassica napus 4183, 4961, 5280, 5926
Brassica oleracea 3088, 5299, 5306
breed differences, cattle 6475
Capsicum annuum 4180
Capsicum baccatum 4180
casein, biochemical polymorphism, cattle 912
centres of origin, *Phaseolus vulgaris* 5267
Cercospora zeae-maydis, Zea mays 380
cereals 395
chitinase, *Oryza sativa* 2370
chlorophyll *a/b* binding protein, *Triticum aestivum* 6546
chloroplast genetics
Aegilops longissima 4728
Citrus 5933
Dasypyrum villosum 4728
Eucalyptus 4703
Fortunella 5933
Glycine max 4178
Hordeum vulgare 4728
Iris fulva 1431
Iris hexagona 1431
Magnolia 4730
Musa acuminata 3082
Nicotiana glutinosa 4960
Nicotiana tabacum 4960
Picea abies 399
Picea glauca 399
Picea mariana 399
Picea sitchensis 399
Pinus 5929
Pinus banksiana 5888
Pinus contorta 5888
Poncirus 5933
Triticum aestivum 4728
Triticum durum 4728
cholesterol 7α-hydroxylase, pigs 4666
chromosomes
gene mapping, rats 1965
Lycopersicon pennellii 4153
Citrus 3640
cleft palate, gene mapping, mice 3057
cloning, gene mapping, algorithms 5956
Cochliobolus heterostrophus, Zea mays 5923
Colletotrichum lindemuthianum, Phaseolus vulgaris 4152
colour, *Petunia hybrida* 2944
computer software 403
crops 1976
Cryphonectria parasitica 2588
cytochrome-*c* oxidase, cattle 370
cytochromes, gene mapping, mice 760
cytoplasmic male sterility
Allium schoenoprasum 3775
Brassica napus 2680
Helianthus annuus 6698
Pennisetum glaucum 6703-6704
Phaseolus coccineus 6701
Phaseolus vulgaris 6701
Zea mays 6076
Daucus carota 5920
Dendranthema grandiflora 6556
detection
Nematoda
cattle 4767
goats 4767
sheep 4767
development
plants 4196
Zea mays 5877
disease resistance, crops 2854
diseases
plants 3644
urogenital syndrome, gene mapping, mice 1406
DNA binding proteins
gene mapping, mice 1958
promoters, mice 791
DNA methylation, *Zea mays* 1756
DNA probes
detection
Theileria parva
Kobus ellipsiprymnus 6173
Synceros caffer 6173
dogs 894
domestication, *Phaseolus vulgaris* 5267
dopamine, transporter, gene mapping, mice 4682
ecotypes, *Arabidopsis thaliana* 1985
elastin, sheep 373
endogenous viruses
fowls 6503
geese 2577
gene mapping, mice 6474
endosperm, *Zea mays* 5286, 5890
Erysiphe graminis, Triticum aestivum 1980
Erysiphe polygoni, Vigna radiata 4437
esterases, *Hordeum vulgare* 4723
Eucalyptus 3094
evolution
Avena sativa 4717
Eccoilopus 4189
Erianthus 4189
Manihot 1972
Miscanthus 4189
Narenga 4189
Pinus 5929
plants 1446
Prunus, cherries 1991
Saccharum 4189
Sclerostachya 4189
Solanum 5269
Theobroma cacao 4720, 5902
Vicia 5918
Vicia faba 5918
Zea mays 924
fatty acids, *Zea mays* 5310
Festuca arundinacea 4195
flagellin, *Borrelia japonica* 3882
flavonoid 3′,5′-hydroxylase, *Petunia hybrida* 2944
flowering, *Arabidopsis thaliana* 2542
forest trees 4176
fowls 2503
α-L-fucosidase, gene mapping, rats 3592
Fulvia fulva, Lycopersicon esculentum 381
Geminivirus, crops 442
gene frequency, somatotropin, carcass composition, fat, selection, effects, fowls 1399
gene mapping
Arabidopsis thaliana 391, 930
Arachis cardenasii 3635
Arachis stenosperma 3635
bare patches, mice 879
bikunin, precursors, mice 4502
chromatin, high mobility group proteins, mice 4589
conifers 6507
corticoliberin, mice 1951
DNA binding proteins, electrophoresis, mice 1933
homeo box, rats 1394
Medicago sativa 4704
microglobulins, precursors, mice 4502
Musa 3632
Oryza officinalis 6535
Oryza sativa 3638, 6535
Picea abies 6512
Pinus taeda 6507, 6523
Pisum sativum 5275
potassium, channels, mice 3058, 3612
pro-opiomelanocortin, cell fusion, hybridization, cattle 4688
ribonucleoproteins, genes, imprinting, mice 4676
Saccharum spontaneum 5274
Secale cereale 5915
Sorghum bicolor 5271, 5303
Sorghum propinquum 5271
striated, mice 879
tailless, mice 918
Triticum aestivum 1977, 4733
tumour necrosis factor, mice 4149
utrophin, mice 1770
Zea mays 4709, 4731, 5272-5273, 5309, 5906
genes
androgens, receptors, satellite DNA, dogs 3453
chromogranin, pigs 2501
keratin, sheep 1410
mucin, pigs 3599
myogenic factor, sheep 1412
prion protein, disease resistance, scrapie, sheep 902
prolactin, cattle 3622
retinal degeneration, mice 4146
genetic disorders, embryos, identification, polymerase chain reaction, cattle 6496
genetic markers, *Fagus sylvatica* 4732
genetic relationships
Ceratocystis ulmi 379
Ophiostoma novo-ulmi 379
genomes
Aegilops 1448
Brassica 1992

genomes *cont.*
Glycine tomentella 6538
Triticum 1448
genotypes, identification, diseases, leukocyte adhesion deficiency, cattle 6452
Gibberella zeae, Zea mays 2549, 5523
gliadin, *Triticum aestivum* 397
Globodera rostochiensis
Solanum spegazzinii 3368
Solanum tuberosum 3368, 6525
glucose, transporters, gene mapping, rats 3592
glucose-1-phosphate adenylyltransferase, *Hordeum vulgare* 4175
glucose-6-phosphate isomerase, gene mapping, pigs 5859
glucosinolates, *Brassica napus* 3907
β-glucuronidase, mutations, mucopolysaccharidosis, mice 1155
glutamate decarboxylase, mice 4121
γ-glutamyltransferase, pigs 4667, 4697, 1425
glutenins, *Triticum aestivum* 397, 1440, 5887
Glycine max 1430, 1990, 1993-1994, 3648
Heterodera glycines 6196
Glycine soja 1430
glycoproteins
brain, gene mapping, mice 262
T lymphocytes, gene mapping, mice 3064
growth factors, sheep 2527
growth period
Arabidopsis thaliana 5270
Hordeum vulgare 4154
Zea mays 3639
haemoglobin, mice 1950
haploidy
Hordeum vulgare 2669
Zea mays 519, 4877
heat shock proteins
gene mapping, mice 3057
major histocompatibility complex, pigs 4505
reviews 2175
height
Hordeum vulgare 4154
Oryza sativa 931
Triticum aestivum 3649
Zea mays 3639, 5292, 5894, 5931
Heterodera avenae
Aegilops squarrosa 4985, 5291
Secale cereale 4177
Heterodera glycines, Glycine max 3895
heterozygosity, *Medicago sativa* 5897
Hevea brasiliensis 5875
histocompatibility antigens, gene mapping, mice 1426
hordein, *Hordeum vulgare* 4723
Hordeum 5913
Hordeum spontaneum 4735, 5913
Hordeum vulgare 401, 927, 3090, 4166, 4171, 5281, 5287, 5289, 5913
immune response, selection, fowls 3074
immunoglobulins
cattle 3587
disease resistance, helminthoses, sheep 4120
receptors, cattle 6478
sheep 4517
inbred strains, strain differences, mice 3066
inbreeding
Glycine max 4173
Zea mays 4164
inhibin, cattle 6477
insect resistance
Solanum berthaultii 4981
Solanum tuberosum 4981
insecticide resistance, *Culex pipiens* 4427
insects, *Brassica napus* 3907
insulin-like growth factor, cattle 6477
integrins, neoplasms, mice 2902
intergeneric hybridization
Oryza sativa 5260
Triticum aestivum 5260
interleukins, pigs 2531
interspecific hybridization
Duboisia leichhardtii 1441
interspecific hybridization *cont.*
Duboisia myoporoides 1441
Pinus 3089
Pinus banksiana 3089
Pinus contorta 3089
isoenzymes, *Oryza sativa* 3641
keratin, sheep 1414
lactalbumin, cattle 4135
lactate dehydrogenase, parentage, pigs 4126
β-lactoglobulin, biochemical polymorphism, polymerase chain reaction, sheep 375
Leptosphaeria maculans, Brassica napus 3896
leukocytes, antigens, gene mapping, mice 916
linkage
Glycine 6513
Phaseolus 6513
quantitative traits, computer simulation 6473
Vigna 6513
lipoprotein lipase, cattle 1964
lipoproteins, receptors, pigs 2504
low density lipoprotein, receptors, cattle 370
Lycopersicon esculentum 2011
Lycopersicon pennellii 2011
lysine, *Zea mays* 5890
lysozyme, cattle 3613
Magnaporthe grisea, Oryza sativa 4193
maize dwarf mosaic potyvirus, *Zea mays* 5923
major histocompatibility complex
buffaloes 1417
cattle 558, 887
disease resistance
footrot, sheep 4134
helminthoses, sheep 881, 2248
fowls 898, 3605, 4138
gene mapping
fowls 5253
mice 3057
goats 6469
mice 3078
pigs 5861, 6243
sheep 1398, 3593, 4673
male sterility, *Zea mays* 6070
Manihot 5268
Manihot aesculifolia 1969
Manihot esculenta 1969, 5268
marker genes, linkage, gene mapping, rats 3592
meat, origin, identification, cattle, Korea Republic 558
Medicago 5879
Medicago sativa 4174
Melampsora lini, Linum usitatissimum 605
Meloidogyne, Lycopersicon esculentum 1163
meprin, gene mapping, mice 5575
Metarhizium anisopliae 2170
Metarhizium flavoviride 2170
milk proteins, cattle 3584
milk yield, mitochondrial DNA, cattle 1416
minisatellites, *Lycopersicon esculentum* 1429
mitochondrial DNA
cattle 3618
dogs 5869
fishes 910, 2495, 2507, 4131, 4672
goats 5249
sheep 361, 5249
species differences
fowls 4148
subspecies, fishes 6499
strain differences, fishes 4128
mitochondrial genetics
Aegilops 1998
Aegilops longissima 4728
Dasypyrum villosum 4728
Glycine max 4178
Hordeum vulgare 4728
Malus 2546
Nicotiana glutinosa 4960
Nicotiana tabacum 4960
Oryza sativa 1442
Saccharum 922
mitochondrial genetics *cont.*
Thymus vulgaris 1971
Triticum 1998
Triticum aestivum 4728
Triticum durum 4728
Mycosphaerella graminicola 447
myogenin, pigs 2506
neoplasms
intestines, gene mapping, mice 366
susceptibility, gene mapping, satellite DNA, mice 2526
Nilaparvata lugens
Oryza australiensis 5284
Oryza sativa 5284
nodulation, *Glycine max* 6539
nomenclature, *Zea mays* 5873, 5876
nucleolus organizer, *Pinus sylvestris* 4718
obesity, gene mapping, mice 1390
oncogenes, fowls 4510
opioid peptides, receptors, gene mapping, mice 1846
ornithine decarboxylase, body composition, lean, selection, mice 1943
Orseolia oryzae, Oryza sativa 3909
Oryza sativa 387, 393, 401, 1450, 2539, 4187, 4719, 5317, 5917
Ostrinia nubilalis, Zea mays 5292
oxytocin
cattle 370
gene mapping, mice 367
parathyrin, cattle 877
Pemphigus betae, Populus 932
Peronospora parasitica, Arabidopsis thaliana 1999, 6197
peroxisomes, receptors, gene mapping, mice 6497
pests, plants 3644
phagocyte oxidase, gene mapping, mice 3953
phosphoenolpyruvate carboxylase, *Triticum aestivum* 6546
phosphogluconate 2-dehydrogenase (decarboxylating), gene mapping, pigs 5859
phosphopyruvate hydratase, gene mapping, pigs 5859
phosphorylase kinase, gene mapping, mice 360
phytochrome, *Triticum aestivum* 6546
Phytophthora infestans, Solanum tuberosum 4162, 6525
pituitary, transcription factors, mice 1962
placenta, proteins, gene mapping, mice 899
plants 2002
plasminogen activator, cattle 558
Plasmodiophora brassicae
Brassica napus 3896
Brassica oleracea 1711
plastids, *Zantedeschia* 5934
pollen germination, *Zea mays* 6074
polygalacturonase-inhibiting protein
Phaseolus coccineus 3633
Phaseolus vulgaris 3633
polymerase chain reaction, multiple intestinal neoplasia, mice 889
polyploidy
Glycine tomentella 6538
plants 1446
populations, mitochondrial DNA, mollusca 1392
Populus tremuloides 4181
potato X potexvirus, *Solanum tuberosum* 6525
potato Y potyvirus, *Solanum tuberosum* 6525
prochymosin, cattle 370
protein kinase
gene mapping, mice 6486
pigs 2490
proteins, *Zea mays* 4710
proto-oncogenes
cats 5860
disease resistance, neoplasms, mice 1955
dogs 5860
fowls 5860
gene mapping, mice 6474
livestock 5860

proto-oncogenes *cont.*
species differences, buffaloes, cats, dogs, ducks 3450
Prunus persica 2540
Pseudomonas syringae
Arabidopsis thaliana 1983
Lycopersicon esculentum 1175
Puccinia coronata, Avena sativa 6193
Puccinia graminis f.sp. *tritici, Hordeum vulgare* 6186
Puccinia recondita, Triticum aestivum 4989
Puccinia striiformis, Hordeum vulgare 5525
Pyrenopeziza brassicae, Brassica napus 3896
Pyricularia oryzae, Oryza sativa 390, 402
quality
Oryza sativa 4699
Zea mays 5310, 6527
quantitative traits 2004
Glycine max 6540
Solanum tuberosum 6514
recombination, major histocompatibility complex, fowls 3595
recoverin, gene mapping, mice 905
repetitive DNA
cattle 356, 2532-2533, 3603, 4691
dogs 2528, 6482
Eruca vesicaria 5661
fishes 4125
fowls 3588, 6460
gene mapping
cattle 5255
mice 876
goats 3603
Hordeum 6506
horses 3594, 4670, 4674, 6456-6457
Leymus 6506
Meloidogyne 3356
Oryza officinalis 2005
pigs 3590, 4687
Psathyrostachys 6506
Secale cereale 1973
sheep 3603, 4663
species differences, mice 3046
Y chromosome
fowls 3602
species differences, mice 5598
Zea mays 2006
resistance, *Fulvia fulva, Lycopersicon esculentum* 388
Rhizobium, Phaseolus vulgaris 1997
rhodopsin, sheep 1957
ribosomal DNA
Avena sativa 4717
Borrelia 1700, 3885
Borrelia japonica 3882
Brachypodium 5921
Brassica 1992
differential diagnosis, *Escherichia hermannii, Escherichia coli* 1499
dogs 3059
Eruca vesicaria 5661
Hevea brasiliensis 4155
Hordeum 6506
Hordeum spontaneum 4721
Hordeum vulgare 4721
Lathyrus 3623
Leymus 6506
Pinus sylvestris 4718
Populus balsamifera 4729
Psathyrostachys 6506
Rochalimaea 2830
Solanum 5269
Theobroma cacao 1438
Vicia pisiformis 6530
ribosomal RNA
bacteria, identification, Leptospiraceae 415
Chlamydia 1143
diagnosis, *Leptospira interrogans* 415
Secale cereale 6520
ribulose-bisphosphate carboxylase, *Triticum aestivum* 6546
Rickettsia 2825
Rickettsia japonica, Rickettsia rickettsii, differential diagnosis 1508
ryanodine, receptors, porcine stress syndrome, pigs 358
Saccharum spontaneum 2007
satellite DNA
cattle 376, 1395, 1400, 1415, 2512-2519, 3600, 4132, 6500
fishes 3597
fowls 3601, 5052
goats 2513-2519, 3600, 4132
pigs 1396, 6505
sheep 1401-1402, 1411, 1413, 2513-2519, 3600, 4132
Secale cereale 3090, 4163, 4166, 5281
seeds, *Zea mays* 924
self incompatibility, *Brassica* 6545
Senecio jacobaea 2799
Senecio nemorensis 2799
Setosphaeria turcica, Zea mays 3362, 5922, 6180
sex determination, fowls, reviews 4129
sialoproteins, gene mapping, mice 4696
sodium, channels, gene mapping, mice 4692
sodium-hydrogen exchanger, gene mapping, mice 369
Solanum 3634
Solanum tuberosum 1976, 3090
somaclonal variation, *Triticum aestivum* 4251
somatotropin
breed differences, cattle 1954
cattle 1967, 6477
genotypes, sire evaluation, carcass quality, cattle 6494
milk yield, cattle 1954
pigs 1405
recombinant, gene expression, milk yield, cattle 2509
sheep 891
Sorghum bicolor 4192
species differences, mollusca 1404
sprouting, *Triticum aestivum* 5261
starch, *Zea mays* 4710
statistics 2004
stearoyl-CoA desaturase, cattle 1423
sterility, gene mapping, mice 3070
steroid 11β-monooxygenase, mutations, rats 3049
strain differences, infectious bronchitis virus 1490
strains, genetic distance, mice 1418
stress, reviews 2175
sucrase-isomaltase, gene mapping, mice 1391
sucrose, *Lycopersicon* 726
superoxide dismutase, gene mapping, rats 3592
T-complex, homologues, linkage, horses 2520
T lymphocytes, disease resistance, helminthoses, sheep 4120
taxonomy
Brachypodium 5921
Catabrosa aquatica 5883
Cichorium 5928
Dioscorea cayenensis 935
Dioscorea rotundata 935
grasses 4734
Hordeum 6506
Leymus 6506
Nesphostylis 6547
Phaseolus 3647
Phippsia algida 5883
Prunus, cherries 1991
Psathyrostachys 6506
Puccinellia 5883
Sclerochloa dura 5883
Sesleria insularis 5883
Sphenostylis 6547
techniques 1458
Citrus 2561
crops 3643, 3650
plants 2003
Zea mays 5952
tissue culture, *Triticum aestivum* 4251
tomato yellow leaf curl bigeminivirus, *Lycopersicon esculentum* 5536
Toxoplasma gondii 4425
transcription factors
breed differences, pigs 1966
gene mapping, mice 368
transcription factors *cont.*
muscles, pigs 4669
transforming growth factor
gene mapping
mice 5257
pigs 5859
transporters, antigens, processing, pigs 3621, 4693
transposable elements
Linum usitatissimum 605
Lycopersicon esculentum 1981
Triticum 1447
Triticum aestivum 4163, 4165, 4719, 5281, 5287, 5289, 5305
Triticum dicoccoides
gliadin 4726
glutenins 4726
β-tubulin, drug resistance, *Haemonchus contortus* 4424
tumour necrosis factor
gene mapping, rats 3061
nucleotide sequences, mice 5568
tyrosine kinase, receptors, gene mapping, mice 1863
uroplakin
cattle 4689, 5604-5605
gene mapping, mice 3616
variety classification
Brassica 6545
Glycine max 6518
Glycine soja 6518
Oryza 6548
Oryza sativa 6548
Populus grandidentata 4724
Populus tremuloides 4724
Triticum aestivum 397
Vitis 1979
Vitis vinifera 3080, 3627
vernalization, *Arabidopsis thaliana* 2542
Vigna radiata 392, 934
Vigna unguiculata 392
von Willebrand factor, repetitive DNA, dogs 6498
water soluble proteins, *Hordeum vulgare* 4723
wheat streak mosaic rymovirus, *Zea mays* 5923
Xanthomonas campestris, Phaseolus vulgaris 1997
Xanthomonas oryzae, Oryza sativa 390, 400
Y chromosome, deletions, sex determination, mice 4664
Zea mays 401, 2539, 2548, 5885, 5891, 5907-5908, 5914, 5925, 6543-6544
zein, *Zea mays* 5771, 5890
Restriction mapping
chloroplast genetics, Leguminosae 382
cytoplasmic male sterility
Phaseolus coccineus 535
Phaseolus vulgaris 535
dihydrokaempferol 4-reductase, *Lycopersicon esculentum* 6377
evolution
Leersia 1432
Luziola 1432
Olyra latifolia 1432
mitochondrial DNA, sheep 361
mitochondrial genetics
Phaseolus coccineus 535
Phaseolus vulgaris 535
plasmids
Pasteurella multocida 1152
Zea luxurians 2943
polymerase chain reaction, techniques 3119
ribosomal DNA, *Schistosoma* 4423
strain differences, porcine adenovirus 1147
Resveratrol
gene expression, *Nicotiana tabacum* 3364
genetic engineering, *Vitis vinifera* 3364
genetic transformation, *Nicotiana tabacum* 3364
(S)-reticuline, cell culture, *Thalictrum tuberosum* 4480
Retina
genes, homeo box, gene expression, binding proteins, quails 5134
photoreceptors, ablation, transgenics, mice 3408

Retina *cont.*
proteins
gene expression, cattle 5579
nucleotide sequences, cattle 5579
Retinal atrophy, nucleotide sequences, cats 1211
Retinoblastoma
DNA probes, gene mapping, hamsters 5256
gene mapping
DNA hybridization
cattle 1947
goats 1947
sheep 1947
Retinoic acid
DNA binding proteins, enhancers, gene expression, mice 3530
G proteins, promoters, activation, cell lines, mice 5028
genes, activation, embryos, transgenics, mice 31
prostaglandin-endoperoxide synthase, transcription, induction, cell lines 6337
receptors
gene mapping, mice 2535
targeted mutagenesis
embryonic stem cells, mice 618
gene expression, cell lines 2287
somatotropin, promoters, regulation, rats 2989
Retinoids
receptors
α-fetoprotein
activation, rats 4049
repression, rats 4049
gene expression, mice 1309
myosins, transcription, activation, mice 2999
nucleotide sequences, mice 1309
Retinol, binding proteins, nucleotide sequences, intestines, pigs 5071
Retrogenes, repetitive DNA, DNA amplification, rodents 5251
Retrotransposons, repetitive DNA, reverse transcriptase, fowls 178
Retroviral vectors (*see also* Vectors)
blood coagulation factors
gene therapy, haemophilia, dogs 2765
gene transfer
fibroblasts
mice 1665
rats 1665
construction
gene therapy, reviews 1104
gene transfer, reviews 1104
vesicular stomatitis virus, proteins 12
design
gene therapy, reviews 1104
gene transfer, reviews 1104
DNA, integration, cell lines 5473
gene expression
cell lines
hamsters 3307
mice 3307
induction, steroid hormones, cell lines, mice 5470
gene transfer
bone marrow cells, cell culture, dogs 2215
cell lines 12
cells, mammals, reviews 4930
gene expression, liver, fowls 581
primordial germ cells, transgenics, fowls 1696
liver cells, reporter genes, gene transfer, dogs 2758
particles, gene transfer, cell lines 5474
production, cell lines 4932
thymidine kinase, gene therapy, neoplasms, liver, nucleosides, analogues, rats 561
thyroid gland, cells, gene transfer, dogs 1666
Retroviridae
DNA, integration, body weight, heritability, mice 3305
DNA libraries, construction, vectors, mice, cells 3668
isolation, leukaemia, cell lines, fishes 63
receptors, nucleotide sequences, rats 2333
Retroviridae *cont.*
reporter genes, vectors, cell lines 5477
somatotropin, gene transfer, mammary glands, goats 6158
transcription, B lymphocytes, differentiation, mice 3519
transgenics, animal models, mice, reviews 5512
vectors
gene therapy, bone marrow cells, mice 5479
reporter genes, gene expression, embryos, fowls 5471
Reverse transcriptase
polymerase chain reaction, plants 1261
repetitive DNA, retrotransposons, fowls 178
Reviews
activin, gene expression, mammals 4066
adipocytes, differentiation, transcription factors, gene expression, cell lines 627
agricultural research, biotechnology, regulations, Developing Countries 2724
albinism, lethals, molecular genetics, mice 792
amino acids, transporters, neurotransmitters, molecular genetics, mammals 3509
androstenedione
immunization
female fertility, sheep 1590
superovulation, sheep 1590
animal diseases, epidemiology, molecular genetics 1702
antisense RNA, gene expression, laboratory mammals 2560
antitrypsin, gene expression, mammary glands, transgenics, sheep 3330
apolipoproteins, gene expression, transgenics, mice 4061
artificial insemination, genetic improvement, cattle 3231
bacteria, genetically engineered microorganisms, release, soil 2734
bacterial diseases, immune response, targeted mutagenesis, mice 6211
biological control
toxins
Bacillus sphaericus 4345
Bacillus thuringiensis 4345
bioreactors, plants 608
biosensors, technology 3262
biotechnology
Brassica 5468
heterosis 1597
biotransformation
flavour enhancers, plants 2275
flavourings, plants 2275
fragrance, plants 2275
body composition, immunization, adipocytes, membranes, laboratory mammals 4329
breeding programmes, transgenics, genetic improvement, livestock 2802
c-AMP, response element 785
carbon dioxide
utilization
chemicals, production 6090
ethanol production 6090
fuels, production 6090
carcass composition
β-adrenergic agonists, pigs 4339
somatotropin, pigs 4339
cell culture 2076
cells, differentiation, gene expression, embryonic development, mice 4046
cellulosic wastes
utilization
chemicals, production 6090
ethanol production 6090
fuels, production 6090
chimaeras, embryos, cells, transfer, fowls 1691
chloroplast genetics, transfer RNA, plants 1355
chromosomes, transfer, cell fusion, microcell hybrids, mammals 3655
Reviews *cont.*
cloning
ascorbate peroxidase, plants 5633
glutathione reductase, plants 5633
stress, plants 5633
co-suppression, multiple genes, plants 6370
cryopreservation, plants 4847
cytokines, targeted mutagenesis, disease resistance, viruses, mice 2860
diagnosis
cat diseases 9
diseases
livestock 5351
techniques, animals 5353
disease resistance
immunology, genetic engineering, livestock 5351
molecular genetics, poultry 601
DNA, recombination, genes 6445
DNA binding proteins
telomeres 5678
transcription 5245
RNA polymerase 5244
DNA fingerprinting 5322
parentage, livestock 5337
polymerase chain reaction 6560
random amplified polymorphic DNA 6560
satellite DNA, techniques 4203
DNA footprinting, polymerase chain reaction, techniques 5948
DNA hybridization 3656
fluorescence microscopy, cytogenetics 6563
gene mapping, techniques 4209
DNA libraries, screening, cloning 3663
DNA methylation 6446
DNA binding proteins, gene expression 833
embryonic development, mice 2982
patterns, development, mammals 5171
polymerase chain reaction, techniques 5948
DNA methyltransferase, DNA methylation, mammals 5136
DNA probes
detection, mycotoxins, foods 2595
DNA hybridization 3662
labelling
chemicals 3657
enzymes 3657
radiolabelling 3661
ELISA
detection
milk, adulteration 4769
mycotoxins, foods 2595
embryo transfer
buffaloes 526
deer 2052
goats 3168
horses 1523
sheep 3168
superovulation, cattle 4884
embryonic development, preimplantation period, blastocyst, gene expression, mice 4045
embryos
biotechnology
arctic foxes 2054
foxes 2054
livestock 1657
cloning, cattle 1530
freezing
survival, cattle 2051
vitrification
laboratory mammals 6608
livestock 6608
micromanipulation, lasers, techniques 5346
fattening performance
β-adrenergic agonists, pigs 4339
somatotropin, pigs 4339
flow cytometry, plants 6567
follistatin, gene expression, mammals 4066
foods, biosafety, transgenics, livestock 3274
FSH, gene expression, mammals 4052

Reviews *cont.*
gametes, micromanipulation, lasers, techniques 5346
gene expression
abscisic acid, plants 1615
activation, embryonic development, mice 2414
adipocytes 3003
air pollution, plants 1609
anaerobiosis, plants 4903
anoxia, plants 4903
antisense DNA, *Nicotiana tabacum* 6427
antisense RNA, plants 856
cell division
plants 867
Zea mays 867
chitin
disease resistance, plants 1373
pest resistance, plants 1373
chloroplast genetics 1926
development, *Zea mays* 5220
disease resistance, *Solanum tuberosum* 6432
diseases, plants 5789
DNA binding proteins
Antirrhinum majus 278
Arabidopsis thaliana 278
plants 278
Zea mays 278
fructose-bisphosphatase, plants 4076
fruits, *Lycopersicon esculentum* 5795
heat shock proteins, plants 4905
homeo box, embryos, segmentation, brain, mice 2423
hypoxia, plants 4903
jasmonic acid, plants 4645
lectins
disease resistance, plants 1373
pest resistance, plants 1373
milk proteins
laboratory mammals 4038
livestock 4038
multiple genes, plants 6370
pathogens
Nicotiana tabacum 1184
plants 1184
phytochrome, plants 1336
plants 1337, 1358, 3572
polygalacturonase, *Lycopersicon esculentum* 5795
regulation
promoters, prokaryotes, eukaryotes 3844
transcription 874
ribulose-bisphosphate carboxylase, *Nicotiana tabacum* 6427
ripening, *Lycopersicon esculentum* 5795
stress, plants 1615, 5779, 5789, 6103
superoxide dismutase, plants 5779, 5789
transgenics, mice 2391
viruses, *Solanum tuberosum* 6432
gene mapping
cattle 888
chloroplast genetics 1926
disease resistance, *Solanum tuberosum* 6432
livestock 2492
mice 3050, 6458
molecular genetics 2552
pigs 6448, 6466
plants 933, 5901
reference loci, mammals 3069
Theileria parva 3068
viruses, *Solanum tuberosum* 6432
gene transfer
animal health, livestock 2815
biolistics 4958
disease resistance, livestock 2815
performance, livestock 2815
pharmaceutical proteins, livestock 2815
proteins
mammary glands
milk
laboratory mammals 4964
livestock 4964
transposable elements, bacteria, intestines, mammals 565

Reviews *cont.*
gene transfer *cont.*
vectors, Adenoviridae, DNA methylation, insertional mutagenesis 4385
genes
activation
oestrogens, mammals 4042
progesterone, mammals 4042
cloning 6336
homeo box
embryonic development
molecular genetics, vertebrates 1313
transgenics, mice 4051
targeted mutagenesis, embryonic development, mice 4062
imprinting, mammals 2395
isolation techniques 6336
sex determination, molecular genetics, mammals 365
genetic engineering
α-amylase
Hordeum vulgare 5847
plants 5847
ascorbate peroxidase, plants 5633
biosafety, plants 6111
disease resistance, plants 1166
ethics, animals 3818
foods
biosafety, ethics 5457
legislation, UK 5457
forest trees 3841
glutathione reductase, plants 5633
livestock 1657
lysozyme, plants 1166
Nematoda, plants 2268
pathogens, plants 602
Populus 3841
quality
Hordeum vulgare 4421
Triticum aestivum 4421
release, plants 6111
ribulose-bisphosphate carboxylase, plants 1380
secondary metabolites, plants 609, 4472
Solanum tuberosum 5514
stress, plants 5633
Zea mays 2777
genetic markers, techniques, plants 4399
genetic transformation 569
antisense DNA, *Nicotiana tabacum* 6427
forest trees 3841
β-fructofuranosidase, *Solanum tuberosum* 6171
fruits, *Lycopersicon esculentum* 5795
glucose-1-phosphate adenylyltransferase, plants 6413
lipids, plants 6376
multiple genes, plants 6370
nitrate, plants 6389
nitrite reductase, plants 6389
Oryza sativa 6133
phytochrome, plants 6436
plants 6262
polygalacturonase, *Lycopersicon esculentum* 5795
Populus 3841
ribulose-bisphosphate carboxylase, *Nicotiana tabacum* 6427
ripening, *Lycopersicon esculentum* 5795
secondary metabolites, plants 4472
starch, plants 6413
starch synthase, plants 6413
sucrose synthase, *Solanum tuberosum* 6171
techniques, plants 4399
temperate fruits 1699
genetically engineered microorganisms, soil, techniques, monitoring 2731
genome analysis, techniques 6562
genomes
DNA sequencing 6583
imprinting
DNA methylation 6339
mammals 2419
mice 4056
gene expression, mammals 2406

Reviews *cont.*
genomes *cont.*
imprinting *cont.*
mice 4036, 5186
glucokinase, gene expression, mammals 4590
glutathione transferase, molecular genetics 820
GnRH
gene expression
fishes 4030
mammals 4030
growth
genetic engineering, sheep 3259
somatostatin, immunization, livestock 4329
Herpesviridae, vectors, gene transfer, nervous system 2564
hexoses
utilization
organic acids, production, microorganisms 5440
solvents, production, microorganisms 5440
hormonal control, gene expression 785
immunoassay 4232
immunoglobulins
gene expression, transgenics, mice 30, 3872
targeted mutagenesis, disease resistance, viruses, mice 2860
immunological deficiency, targeted mutagenesis, mice 2821
imprinting, DNA methylation, mammals 5179
in vitro culture
flavour enhancers, plants 2275
flavourings, plants 2275
fragrance, plants 2275
Olea europaea 2105
plants 4847
Vitis vinifera 2111
in vitro fertilization
embryos, freezing, cattle 2051
livestock 3235
in vitro selection, stress 2178
inhibin
gene expression, mammals 4066
immunization
litter size, livestock 1591
ovulation rate
cattle 3248
livestock 1591
sheep 3248
superovulation
cattle 3248
sheep 3248
insulin
transgenics
growth, mice 5513
mortality, mice 5513
insulin-like growth factor
gene expression, rats 5755
targeted mutagenesis, embryonic development, mice 2289
transgenics
growth, mice 5513
mortality, mice 5513
intermediate filaments, neurons, molecular biology 1857
keratin, molecular biology 1847
lactic acid bacteria
chromosome mapping 5560
genetic engineering 5561
lactoferrin, genetic engineering, transgenics, cattle 5499
LH
gene expression, mammals 4052
nucleotide sequences
fowls 1774
quails 1774
ligase chain reaction, techniques 3670
lignocellulose, waste utilization 2702
lignocellulosic wastes, biodegradation, microorganisms 5443
linkage, conservation, genomes, vertebrates 4140
lipoproteins
atherosclerosis, transgenics, animal models 5508

Reviews *cont.*
lipoproteins *cont.*
metabolism, gene expression, transgenics, mice 5137
lymphocytes, clonal selection, transgenics, mice 824
major histocompatibility complex
evolution, mice 4055
molecular genetics 832
targeted mutagenesis, mice 5550
transgenics, mice 5550
meat production, molecular genetics, livestock 1661
messenger RNA
splicing
ribonucleoproteins, mammals 4118
small nuclear RNA 4041
milk proteins
biochemical polymorphism, goats 3969
gene expression
cattle 1222
transgenics 1222
gene mapping, cattle 1222
genetic engineering, transgenics, livestock 4975
molecular biology, cattle 1222
molecular genetics 5746
nucleotide sequences 3969
mitochondrial genetics
cytoplasmic male sterility, plants 6071
plants 845
transfer RNA, plants 1355
molecular genetics
acid phosphatase, plants 4609
amino acids, plants 6401
antisense DNA, *Lycopersicon esculentum* 6379
auxins, plants 6387
capillovirus group 3357
catalase, plants 6711
chitin
disease resistance, plants 1373
pest resistance, plants 1373
closterovirus group 3357
development
plants 6411
Zea mays 5220
ethylene, plants 1346
fruits, *Lycopersicon esculentum* 6379
glutathione reductase (NADPH), plants 6711
heat shock proteins, plants 4905
information systems 6125
lectins
disease resistance, plants 1373
pest resistance, plants 1373
matrix associated regions, plants 6360
movement proteins, viruses 6198
Nematoda, plants 2268
nitrate, plants 6389
nitrite reductase, plants 6389
oxidative stress, plants 6711
pathogens, plants 602
peroxidases, plants 6711
phosphoric monoester hydrolases, plants 4609
phytochrome, plants 1336
quality
Hordeum vulgare 4421
Triticum aestivum 4421
ribulose-bisphosphate carboxylase, plants 1380
ripening, *Lycopersicon esculentum* 6379
self incompatibility, plants 5430
stress, plants 6710
superoxide dismutase, plants 6711
transfer RNA, plants 1355
transgenics
laboratory mammals 2801
livestock 2801
xyloglucan transferase, plants 4552
monoclonal antibodies
animal production, livestock 5354
diagnostic techniques, livestock 5354
Mullerian inhibiting substance, gene expression, mammals 3938

Reviews *cont.*
muscles
cells, transcription factors, targeted mutagenesis, mice 5000
transcription factors 773
mutagenesis, behaviour, mice 6346
mutations
detection, gene mapping, polymerase chain reaction 2494
lipids, plants 6376
myogenesis, transcription factors, targeted mutagenesis, embryonic stem cells, mice 5004
neural recognition molecules
analysis
monoclonal antibodies 1864
targeted mutagenesis 1864
nitrogen, excretion, feed additives, probiotics, pigs 5437
nucleotide sequences
CpG islands, DNA methylation, mammals 5565
databases, computer software 6335
plants 6262, 6309
small nuclear RNA, plants 5125
telomeres 5678
xyloglucan transferase, plants 4552
nutrition, research, transgenics, animals 5511
oestrus
synchronization
fallow deer 1589
red deer 1589
oncogenes, transgenics, animal models, mice 5512
oocytes
freezing
vitrification
laboratory mammals 6608
livestock 6608
in vitro fertilization, cattle 1520
in vitro maturation, cattle 1520
oogenesis, gene expression, mice 1854
ovalbumin, molecular genetics, fowls 1861
parasites, detection, ribosomal RNA, nucleotide sequences 4210
pentoses
utilization
organic acids, production, microorganisms 5440
solvents, production, microorganisms 5440
petroleum hydrocarbons, biodegradation 3787
pharmaceutical proteins
gene expression, milk, transgenics, livestock 4968
gene transfer, mammary glands, transgenics, livestock 2813
genetic engineering, transgenics, cattle 5499
milk
transgenics
livestock 4966
mice 4966
transgenics
livestock 6162
mice 6162
pigmentation, genetic engineering, animals 4922
plants
genetic engineering
nutrition 4908
safety 4908
polymerase chain reaction
applications 6579
arbitrary primers, applications, techniques 5320
embryos, sex diagnosis, mammals 6579
random primers, RNA, amplification, techniques 3107
techniques 3670
prions
replication, nervous system diseases 4978
targeted mutagenesis, mice 4974
prolactin, antisense DNA, gene transfer, brain, animals 4577

Reviews *cont.*
promoters
abscisic acid, plants 1615
stress, plants 1615
proteins
gene expression, targeted mutagenesis 612
production, genetic engineering, cell lines, mammals 6221
proto-oncogenes
transgenics, animal models, mice 5512
tyrosine kinase, receptors, mast cells, mice 2393
protoplast fusion 1687
protoplasts, temperate fruits 2103
protozoal infections, immune response, targeted mutagenesis, mice 6211
public opinion, biotechnology, surveys 6735
quantitative traits
gene mapping
animals 4197
plants 4197
molecular genetics 2019
random amplified polymorphic DNA 3646
recombinant vaccines, fishes 607
recombinases, genetic engineering, eukaryotes 5333
recombination
genomes, evolution 5133
yeasts 2489
restriction fragment length polymorphism
heat shock proteins 2175
stress 2175
retroviral vectors
construction
gene therapy 1104
gene transfer 1104
design
gene therapy 1104
gene transfer 1104
gene transfer, cells, mammals 4930
Retroviridae, transgenics, animal models, mice 5512
RNA probes, radiolabels, techniques 3118
sex determination
gene expression, embryos, mammals 2405
molecular genetics, mice 1850
restriction fragment length polymorphism, fowls 4129
social impact, biotechnology, surveys 6735
somatotropin, growth, sheep 3259
spermatogenesis, molecular genetics, mammals 1848
starch
utilization
chemicals, production 6090
ethanol production 6090
fuels, production 6090
superovulation
buffaloes 526
PMSG, antibodies, cattle 1588
T lymphocytes
clonal selection
endogenous viruses, mice 824
major histocompatibility complex, mice 824
differentiation, molecular genetics, laboratory mammals 260
targeted mutagenesis
behaviour, mice 6346
embryonic stem cells, mice 2858
enhancement, metabolism, research, mice 2862
therapy, cat diseases 9
tissue culture
plants 3214
somatic embryogenesis, plants 4847
transcription, activation, DNA binding proteins, chromatin, structure 5243
transforming growth factor
mammary glands, neoplasms, transgenics, animal models 5495
targeted mutagenesis, embryonic stem cells, immunological diseases, mice 3403

Reviews *cont.*
transgenics
environmental impact
fishes 3275
livestock 3275
temperate fruits 1699
transposable elements, *Zea mays* 3566
vaccines
fishes 607
technical progress, coccidiosis 145
wastes, biosurfactants, production 6094
wool production, transgenics, sheep 2818
X chromosome, organization, satellite DNA, laboratory mammals 5864
yeast artificial chromosomes, gene transfer, gene expression, mice 32
Rhabdocline parkeri, random amplified polymorphic DNA, genetic relationships, *Pseudotsuga menziesii* 438
Rhabdoviridae, recombinant vaccines, interferon, fishes 4525
Rhamnosyltransferases
mutations, *Petunia hybrida* 2363
nucleotide sequences, *Petunia hybrida* 2349, 2363
Rheum emodi, tissue culture 1006
Rhizobium
cloning, hydrogenase 5562
DNA amplification
nitrogenase 170
nodulation 170
DNA hybridization, symbiosis 5018
gene expression
fodder legumes 4107
grain legumes 4107
Medicago sativa 4107
nodulation 629
Pisum sativum 630, 3422
Vigna unguiculata 6281
genetic engineering
biosafety 551
companies 3300
release 551
USA 4382
linkage, *Phaseolus vulgaris* 1997
nucleotide sequences
evolution 173
ribosomal RNA 173
symbiosis 5018
Vigna unguiculata 6281
restriction analysis, hydrogenase 5562
restriction fragment length polymorphism, *Phaseolus vulgaris* 1997
Rhizobium leguminosarum, DNA hybridization, nodulation 169
Rhizobium meliloti
gene expression
Medicago sativa 3933, 6357
naringenin-chalcone synthase, *Medicago sativa* 293
nitrogen fixation 171, 3996
nodulation 3996, 4498
oxygen 171
genetic transformation
chitinase 172
Nicotiana tabacum 631
plant diseases 537
mutations, nodulation 293
nodulation, *Medicago sativa* 172
symbiosis, *Medicago sativa* 172
tissue culture, *Medicago sativa* 3933
Rhizoctonia solani
cell culture, *Hyoscyamus muticus* 150
gene expression
Brassica napus 91
Nicotiana tabacum 1168, 2851, 3893
genetic engineering, *Nicotiana tabacum* 2851
genetic transformation
Brassica napus 91
Nicotiana tabacum 1168, 3893, 3906, 4432
Rhizopus, cassava peel, fermentation, feeds, production 4897
Rhizopus japonicus, starch, fermentation, ethanol production 2711
Rhododendron
random amplified polymorphic DNA 6533
tissue culture, organogenesis 2108
Rhodopsin, restriction fragment length polymorphism, sheep 1957
Riboflavin
binding proteins, mutations, nucleotide sequences, fowls 2331
production
Lens culinaris, utilization, *Eremothecium ashbyii* 4349
lentils, utilization, *Eremothecium ashbyii* 4349
molasses, utilization, *Eremothecium ashbyii* 4349
Ribonuclease inhibitors
gene expression, *Brassica napus* 4335
genetic transformation, *Brassica napus* 4335
Ribonucleases
gene expression
Arabidopsis thaliana 2963
Brassica napus 4335
Nicotiana alata 2679, 3774
Nicotiana langsdorffii 3774
sterility, *Nicotiana tabacum* 6699
genetic transformation
Brassica napus 4335
Nicotiana alata 3774
Nicotiana langsdorffii 3774
Petunia inflata 3773
molecular genetics
Nicotiana 3772
Petunia 3772
plants 6702
nucleotide sequences
Arabidopsis thaliana 2963
cattle 3429
Lycopersicon peruvianum 6306
Nicotiana alata 2679
tissue culture, *Panax pseudoginseng* 6013
Ribonucleoproteins
antibodies
Cicer arietinum 848
Pisum sativum 848
genes, imprinting, gene mapping, restriction fragment length polymorphism, mice 4676
messenger RNA, splicing, mammals, reviews 4118
polypeptides
nucleotide sequences, rats 5037
RNA, alternative splicing, rats 5037
Ribonucleoside-diphosphate reductase
gene expression, DNA binding proteins, mice 2318
nucleotide sequences, mice 2318
Ribosomal DNA (*see also* DNA)
cell culture, *Triticum aestivum* 164
chloroplast genetics, RNA, *Nicotiana tabacum* 5238
DNA binding proteins
Cucumis sativus 352
Triticum aestivum 844
DNA footprinting, *Raphanus sativus* 5790
DNA hybridization
Aegilops 5924
Aegilops cylindrica 5924
Arabidopsis 1439
Avena sativa 4717
Brassica 1992
cereals 4169
Gossypium hirsutum 4158
Hordeum 4169
Olea europaea 6510
Oryza 5277
Oryza sativa 2008
Pisum sativum 4207
Scilla scilloides 6532
Triticum 5924
Triticum aestivum 5924
gene expression
Allium cepa 5810
Arabidopsis thaliana 283
Cucumis sativus 352
Hordeum vulgare 3029, 5821
Raphanus sativus 5790
Secale cereale 3029
Triticum aestivum 2444, 3029
gene mapping
Hordeum spontaneum 4721
Hordeum vulgare 4172, 4707, 4721
mice 4137
Ribosomal DNA *cont.*
gene mapping *cont.*
Oryza sativa 2008
Scilla scilloides 6532
genetic relationships, *Pyricularia oryzae* 1162
induced mutations, *Oryza sativa* 4708
mitochondrial genetics
Oenothera berteriana 5096
Zea mays 5953
molecular genetics
angiosperms 6524
Heterodera 3359
Hordeum vulgare 3029
Lathyrus 3625
Lathyrus sativus 3624
Secale cereale 3029
Triticum aestivum 2444, 3029, 5211
Zea mays 4083
nucleotide sequences
Ameson michaelis 1705
Astragalus 2378
Brachypodium distachyon 4714
Brassica campestris 1830
Bromus inermis 4714
Calycadenia 1240
Ehrlichia risticii, dogs 2827
Epilobium 6247
Eruca vesicaria 4565, 5661
Ginkgo biloba 5099
Gnetum 1833
Mimulus guttatus 2961
Nitrobacteraceae 2882
Oenothera berteriana 5096
Oryza sativa 1797, 4714
Osmadenia tenella 1240
Pinus luchuensis 5099
plants 1833, 5683
Podocarpus nakaii 5099
Secale cereale 1248
Sorghum bicolor 4714
Taxus mairei 5099
Theileria parva 4222
Triticeae 4714
Triticum aestivum 1248
Winteraceae 4566
polymerase chain reaction
Astragalus 2378
Heterodera 3359
Hordeum vulgare 4707
promoters
Arabidopsis thaliana 283
Cucumis sativus 352
Zea mays 5953
random amplified polymorphic DNA, *Vicia pisiformis* 6530
restriction analysis, *Pinus sylvestris* 1435
restriction fragment length polymorphism
Avena sativa 4717
Borrelia 1700, 3885
Borrelia japonica 3882
Brachypodium 5921
Brassica 1992
differential diagnosis, *Escherichia hermannii, Escherichia coli* 1499
dogs 3059
Eruca vesicaria 5661
Hevea brasiliensis 4155
Hordeum 6506
Hordeum spontaneum 4721
Hordeum vulgare 4721
Lathyrus 3623
Leymus 6506
Pinus sylvestris 4718
Populus balsamifera 4729
Psathyrostachys 6506
Rochalimaea 2830
Solanum 5269
Theobroma cacao 1438
Vicia pisiformis 6530
restriction mapping, *Schistosoma* 4423
somaclonal variation, *Triticum aestivum* 164
tissue culture, *Lathyrus sativus* 3624
Ribosomal RNA (*see also* RNA)
chloroplast genetics, *Nicotiana plumbaginifolia* 1263, 6442
DNA methylation, *Osmunda regalis* 1271
gene mapping, pigs, books 6483

Ribosomal RNA *cont.*
Lactococcus lactis, nucleotide sequences 1295
mitochondrial genetics, *Secale cereale* 6520
molecular genetics, plants 6354
nucleotide sequences
Azorhizobium 173
Bradyrhizobium 173
Nicotiana plumbaginifolia 1263
Osmunda regalis 1271
parasites, detection, reviews 4210
Rhizobium 173
promoters, transcription factors, rats 782
restriction fragment length polymorphism
bacteria, identification, Leptospiraceae 415
Chlamydia 1143
diagnosis, *Leptospira interrogans* 415
Secale cereale 6520
RNA editing, *Osmunda regalis* 1271
RNA hybridization
Allium cepa 5229
Capsicum annuum 5229
Ribosome inactivating proteins
gene expression, *Hordeum vulgare* 3906
genetic engineering, *Hordeum vulgare* 3906
genetic transformation, *Nicotiana tabacum* 3906
Ribosomes
chloroplast genetics
Hordeum vulgare 5773
plants 868
Spinacia oleracea 2478
DNA probes, mice 2900
gene expression 746
Arabidopsis thaliana 724, 6403
Hordeum vulgare 5773
mice 3009
Secale cereale 5684
Spinacia oleracea 2365, 2478
gene mapping, plants 5912
genetic engineering, *Solanum tuberosum* 3478
mitochondrial genetics 746
Arabidopsis thaliana 724
Hordeum vulgare 5773
Petunia hybrida 1284
plants 5912
Triticum aestivum 5774
nucleotide sequences 746
Arabidopsis thaliana 214, 724, 2946
fowls 4516
mice 2900, 3009
Nicotiana tabacum 3999
Oryza sativa 1265, 2949, 6271
Petunia hybrida 1284
rats 3428
Secale cereale 5684
Solanum tuberosum 3478
Spinacia oleracea 2365
Triticum aestivum 210
promoters
nucleotide sequences, fowls 4516
Solanum tuberosum 3478
Spinacia oleracea 2478
proteins
gene mapping, sex chromosomes, mice 3990
nucleotide sequences
fowls 3968, 3990
mice 703, 3990, 5612
rats 3939
promoters
gene expression
fowls 3968
mice 771
RNA, alternative splicing, mice 3009
RNA editing
Petunia hybrida 1284
Triticum aestivum 210, 5774
Ribozymes
genetic transformation, tobacco mosaic tobamovirus, *Nicotiana tabacum* 2842
molecular genetics 5848
RNA, cleavage, mice 1305
transfer RNA 5848
Ribulose-bisphosphate carboxylase
chloroplast genetics
angiosperms 1795, 1826
Asteridae 1824
Castanea sativa 1800
Compositae 1821
Cornus 1840
Cucurbita pepo 2176
Cupressaceae 4540
Empetraceae 1813
Epacridaceae 1813
Ericaceae 1813
fatty oil plants 1828
Geraniaceae 1825
Hevea brasiliensis 2355
Hordeum vulgare 6397
monocotyledons 1798
Onagraceae 1796
Saxifragaceae 1823
Zingiberales 1834
DNA hybridization, *Triticum aestivum* 6546
gene expression
Amaranthus hypochondriacus 1381
Anemia phyllitidis 3567
Arabidopsis thaliana 1370
Beta vulgaris 4615
Cucurbita pepo 2176
Hordeum vulgare 4110, 6397
Mesembryanthemum crystallinum 2719
Nicotiana tabacum 1340, 4092, 6391
reviews 6427
Oryza sativa 312, 858, 4075
Petunia hybrida 4071
Phaseolus vulgaris 5235
Picea abies 4606
Pisum sativum 3553, 5830, 6405
gene mapping, *Triticum aestivum* 6546
genetic engineering
Lycopersicon esculentum 858
Oryza sativa 282
Petunia hybrida 6553
plants 3564
reviews 1380
genetic transformation
Arabidopsis thaliana 1370
Nicotiana tabacum 1340, 3563, 4092, 5449
reviews 6427
Oryza sativa 858
Petunia hybrida 4071
molecular genetics
plants 6509
reviews 1380
nucleotide sequences
Adiantum capillus-veneris 5105
angiosperms 1795, 1826
Asteridae 1824
Botrypus strictus 5105
Bromeliaceae 3993
Castanea sativa 1800
Commelinaceae 3993
Compositae 1821
Cornus 1840
Cupressaceae 4540
Empetraceae 1813
Epacridaceae 1813
Ericaceae 1813
Fagus 4548
fatty oil plants 1828
Geraniaceae 1825
Hevea brasiliensis 2355
Malus pumila 5624
monocotyledons 1798
Nothofagus 4548
Onagraceae 1796
Oryza sativa 858
Osmunda cinnamomea 5105
plants 5683
Pteris vittata 4535
Saxifragaceae 1823
Zingiberaceae 3993
Zingiberales 1834
promoters, *Pisum sativum* 3553
restriction fragment length polymorphism, *Triticum aestivum* 6546
Ribulose-bisphosphate carboxylase activase
gene expression 3565
Malus pumila 1382
Ribulose-bisphosphate carboxylase activase *cont.*
gene expression *cont.*
Nicotiana tabacum 1357, 5213
Spinacia oleracea 3565
genetic engineering, *Spinacia oleracea* 3565
genetic transformation 3565
Nicotiana tabacum 1357, 5213
nucleotide sequences
Malus pumila 1382
Nicotiana tabacum 219
promoters, *Spinacia oleracea* 3565
Ricinus communis
DNA hybridization, catalase 4167
gene expression
catalase 6315
cysteine proteinase 2359
genetic engineering, isocitrate lyase 3562
nucleotide sequences
catalase 6315
phosphoglycerate mutase 2360
phosphopyruvate hydratase 6249
stearoyl-CoA desaturase 6288
Rickettsia, restriction fragment length polymorphism 2825
Rickettsia japonica, *Rickettsia rickettsii,* differential diagnosis, restriction fragment length polymorphism 1508
Rickettsia prowazekii, DNA primase, nucleotide sequences 1149
Rickettsia rickettsii, *Rickettsia japonica,* differential diagnosis, restriction fragment length polymorphism 1508
Rieske FeS protein
gene expression
Nicotiana sylvestris 4618
Nicotiana tabacum 4618
Nicotiana tomentosiformis 4618
Solanum tuberosum 5634
genetic transformation, *Nicotiana tabacum* 4102
nucleotide sequences, *Solanum tuberosum* 5634
Rinderpest virus
ELISA 1502
detection 1479
Ripening
DNA hybridization, *Prunus persica* 5850
gene expression
Fragaria ananassa 6406
Lycopersicon esculentum 855, 861, 1279, 1328, 1892, 2471, 2477, 3268, 4539, 4563, 6372
reviews 5795
Malus pumila 5856
Persea americana 207, 1923
Prunus persica 2350, 5850, 6284
genetic engineering, *Lycopersicon esculentum* 2187, 2477, 2732, 3880, 5515, 5819
genetic transformation
Lycopersicon esculentum 855, 1328, 1879, 2477
reviews 5795
molecular genetics, *Lycopersicon esculentum,* reviews 6379
mutations, *Lycopersicon esculentum* 5819
nucleotide sequences
Lycopersicon esculentum 1278-1279, 2471, 3268, 4539, 4563
Persea americana 2951
Prunus persica 6284
polymerase chain reaction, *Prunus persica* 5850
promoters, *Lycopersicon esculentum* 861
RNA (*see also* Antisense RNA; Gene expression; Messenger RNA; Ribosomal RNA; Transfer RNA)
alternative splicing
acetylcholinesterase, gene expression, mice 799
adenylate cyclase, activating polypeptide, receptors, pituitary, rats 3532
adenylate cyclase-activating polypeptide, pituitary, rats 4593
agrin, embryos, fowls 1321
androgens, binding proteins, rats 1320
calcium, pumps, plasma membranes, hamsters 2413

RNA *cont.*
alternative splicing *cont.*
calpain, stomach, rats 5610
calpastatin, rats 192
chloroplast genetics
cytochromes, *Zea mays* 6355
photosystem I, *Zea mays* 6355
collagen, fowls 1232
complement, mice 1871
cystic fibrosis
transmembrane conductance regulator
cell lines 1314
mice 1314
cytochromes
kidneys, rats 3541
prostate, rats 3541
dopamine
receptors
mice 777
rats 4588
fibroblast growth factors
embryos, fowls 1301
receptors, mice 1300
fructose-bisphosphatase, cattle 1231
G proteins
mice 5064
rats 245
gene expression
Caenorhabditis elegans 98
feline immunodeficiency virus 1158
genetic transformation, *Caenorhabditis elegans* 98
glycoproteins, central nervous system, mice 781
growth factors, fibroblasts, receptors, prostate, rats 4597
heat shock proteins, mice 1866
hygromycin phosphotransferase, *Lycopersicon esculentum* 5838
insulin, receptors, rats 5586
insulin-like growth factor
fishes 195, 3954
sheep 3446
myosins, rats 5603
natural killer cells, tumour recognition protein, interleukins, mice 817
neurexins, gene expression, rats 267
neurofibromatosis, mice 5044
oestrogen receptors, rats 826
phosphate, binding proteins, mitochondria, cattle 5035
phosphofructokinase, cattle 1231
plasminogen activator, receptors, rats 6237
polymerase chain reaction, techniques 2022
polypeptides, ribonucleoproteins, rats 5037
potassium, channels, mice 2883
prostaglandins, receptors, cattle 3523
protein kinase, rats 5061
protein-tyrosine kinase, prostate, rats 4597
protein-tyrosine phosphatase, rats 5601
ribosomes, mice 3009
sodium, channels, brain, rats 5577
somatotropin, enhancers, cattle 5185
transcription factors
embryonic development, fishes 3537
mice 3002, 5042
prolactin, gene expression, rats 4575
transposable elements, *Lycopersicon esculentum* 5838
tropomyosins
fibroblasts, rats 5730
muscles, cells, rats 5730
troponin
rabbits 1302
rats 1302
X chromosome, fragility, mice 3936
amplification, polymerase chain reaction, random primers, techniques, reviews 3107

RNA *cont.*
binding proteins
gene expression, genes, agouti, mice 805
nucleotide sequences, genes, agouti, mice 805
chloroplast genetics, ribosomal DNA, *Nicotiana tabacum* 5238
cleavage, ribozymes, mice 1305
cloning, techniques 800
DNA, polymerase chain reaction, techniques 941
extraction
Abies grandis 6573
cells, techniques 3104
Glycine max 6587
Pinus contorta 6573
Pinus taeda 6573
Pseudotsuga menziesii 6573
Taxus brevifolia 6573
gene expression
Avena sativa 4072
barley yellow dwarf luteovirus 2258
Nicotiana tabacum 3031
plants 1338
genetic relationships
Hymenoscyphus ericae 166
Scytalidium vaccinii 166
genetic transformation, *Nicotiana tabacum* 3031
hybridization, sensitivity, chemiluminescence, techniques 5943
isolation, electrophoresis, gels, techniques 946
isolation techniques, plants 3136, 6566
molecular genetics
Agaricus bisporus 3033
Avena sativa 4072
barley yellow dwarf luteovirus 2258
Hordeum vulgare 351
nucleotide sequences
Arabidopsis thaliana 5691
beet cryptic III alphacryptovirus 3383
cucumber necrosis necrovirus 3360
processing, books 5461
purification
techniques
cells 2558
tissues 2558
splicing, genes, sex determination, DNA conformation, mice 767
techniques
Abies grandis 6573
Glycine max 6587
Pinus contorta 6573
Pinus taeda 6573
plants 948, 1464
Pseudotsuga menziesii 6573
Taxus brevifolia 6573
transcription, feline immunodeficiency virus 1158
transfection, liposomes, cell lines, mammals, techniques 4924
X ray diffraction, tobacco mosaic satellite virus 115

RNA binding proteins
chloroplast genetics, *Pisum sativum* 2454
Colletotrichum lindemuthianum, Phaseolus vulgaris 3580
elicitors, *Phaseolus vulgaris* 3580
gene expression
Arabidopsis thaliana 274, 1260, 4604
Nicotiana sylvestris 1262
Pisum sativum 2454
Sinapis alba 5107
nucleotide sequences
Arabidopsis thaliana 274, 1260
Nicotiana sylvestris 1262
Sinapis alba 5107
proline-rich proteins, *Phaseolus vulgaris* 3580
splicing, *Nicotiana sylvestris* 1262

RNA editing
adenosinetriphosphatase
Brassica napus 1341
Glycine max 4554
Raphanus sativus 3483
Triticum aestivum 5769
Zea mays 857
apocytochrome *b*
Solanum 872

RNA editing *cont.*
apocytochrome *b cont.*
Triticum 872
apolipoproteins, transgenics, mice 2222
chloroplast genetics, crops 5816
chloroplasts, *Zea mays* 850
computer programs 4221
cytochrome *c*, *Triticum aestivum* 210
cytoplasmic male sterility
adenosinetriphosphatase, *Oryza sativa* 4090
Raphanus sativus 3483
Triticum aestivum 5769
Zea mays 857
heme transporter, *Oenothera berteriana* 5124
introns
Brassica campestris 4613
Lactuca sativa 4613
mathematics 4221
mitochondrial genetics
Arabidopsis thaliana 5851
Beta vulgaris 4646
Oenothera 5842
Petunia 5802
NADH dehydrogenase
Brassica campestris 736, 4613
Lactuca sativa 4613
Oenothera 4622
plants 5815
Triticum aestivum 5774
NADH dehydrogenase (ubiquinone)
Solanum tuberosum 5794, 6381
Triticum aestivum 5625
neurotransmitters, rats 5732
Petunia hybrida 2470
ribosomal RNA, *Osmunda regalis* 1271
ribosomes
Petunia hybrida 1284
Triticum aestivum 210, 5774
transfer RNA, *Oenothera berteriana* 5772
Trypanosoma brucei 1157
Zea mays 2470

RNA helicase
gene expression, *Nicotiana sylvestris* 3480
nucleotide sequences
mice 2328
Nicotiana sylvestris 3480

RNA hybridization
embryos, techniques, fishes 4211, 4218
odours, receptors, olfactory organs, rats 268
ribosomal RNA
Allium cepa 5229
Capsicum annuum 5229
techniques
Allium cepa 5229
Capsicum annuum 5229

RNA polymerase
chloroplast genetics
Gramineae 3474
Oryza sativa 5237
Zea mays 5237
chromosome morphology 5784
DNA binding proteins, transcription, reviews 5244
gene expression 5784
Sinapis alba 5231
nucleotide sequences
Andean potato mottle comovirus 112
beet cryptic III alphacryptovirus 3383
Gramineae 3474
transcription, promoters, proteins, activator 4574

RNA probes
bamboo mosaic potexvirus, *Bambusa* 437
books 6756
development, *Lycopersicon esculentum* 5791
embryogenesis, *Pisum sativum* 5964
flowers, *Lycopersicon esculentum* 5791
gene expression, techniques 800
pea seed-borne mosaic potyvirus, *Pisum sativum* 5964
radiolabels, techniques, reviews 3118
seeds, *Pisum sativum* 5964
soil-borne wheat mosaic furovirus, *Triticum aestivum* 433
techniques 6756

Robinia pseudoacacia
tissue culture
regeneration 2612
somatic embryogenesis 3171
Rochalimaea, ribosomal DNA, restriction fragment length polymorphism 2830
Rodents, repetitive DNA, DNA amplification, retrogenes 5251
Rooting capacity, somaclonal variation, *Malus pumila* 6217
Roots
gene expression
Lycopersicon esculentum 4569
Manihot esculenta 3011
Pisum sativum 3573
gene mapping, *Lycopersicon esculentum* 4569
genetic transformation
Malus pumila 1679
Manihot esculenta 3011
plants 3014
nucleotide sequences, *Lycopersicon esculentum* 4569
promoters, *Manihot esculenta* 3011
tissue culture
Daucus carota 2647
Raphanus sativus 2078
Rosa 5975
Rosa
cell culture 5985
genetic engineering
colour 6169
flowers 6169
molecular genetics
anthocyanins 4617
colour 4617
flavonoid 3′,5′-hydroxylase 4617
pH 4617
protoplasts, techniques 6636
random amplified polymorphic DNA, variety classification 2010
tissue culture 3717
phosphorus 5975
roots 5975
stress 4900
Rosa damascena, cell culture, salicylic acid 6014
Rosa hybrida
somaclonal variation 3411
ploidy 2876
Rosmarinic acid
cell culture
Coleus blumei 149
Lithospermum erythrorhizon 4470
Rosmarinic acid synthase, cell culture, *Coleus blumei* 148
Rotavirus, DNA probes, diagnosis, pigs 1497
Rotenoids, cell culture, *Tephrosia vogelii* 4465
Rotenone, cell culture, *Tephrosia vogelii* 4465
Rous sarcoma virus
receptors, nucleotide sequences, quails 2317
susceptibility, gene expression, cell lines 2317
Rubia tinctorum
biotransformation 4896
cell culture 4896
Rubus
computer analysis, β-glucuronidase 6578
gene expression, β-glucuronidase 6578
genetic transformation, β-glucuronidase 6578
tissue culture 6002
cold resistance 2180
Rubus cissoides, cryopreservation 498
Rubus cuneifolius, cryopreservation 498
Rubus idaeus
DNA
extraction 6574
techniques 6574
DNA fingerprinting, micropropagation 386
random amplified polymorphic DNA, variety classification 5301, 6529
Rubus parviflorus, cryopreservation 498
Rumen microorganisms, genetic engineering, fibre, digestion 2166
Rumex acetosa
cloning
repetitive DNA 4560
sex 4560
DNA hybridization
repetitive DNA 4560
sex 4560
Ruminants
oestrus
synchronization
progestogens 4330
prostaglandins 4330
Rust fungi
DNA probes
identification 429
repetitive DNA 429
Ruta graveolens
cell culture
acridone synthase 3727
alkaloids 3727
methyltransferases 4446
ploidy 1572
quinoline alkaloids 4446
secondary metabolites 1572
genetic transformation, *Agrobacterium rhizogenes* 4446
tissue culture, coumarins 6041
Ruta pinnata, tissue culture, coumarins 6041
Ryanodine
receptors
restriction fragment length polymorphism, porcine stress syndrome, pigs 358
targeted mutagenesis
embryonic stem cells, mice 6215
muscles, abnormalities, mice 6215
Saccharomyces cerevisiae
carobs, fruits, utilization, ethanol production 4350
gene expression, brome mosaic bromovirus 107
Ornithodoros moubata, anticoagulants, production, extraction, techniques 1187
sorghum stalks, fermentation, ethanol production 6092
Saccharum
cell culture, regenerative ability 3724
chloroplast genetics, evolution 4189
gene expression 1885
genetic transformation 1885
nucleotide sequences
glucose transporter 4532
membrane proteins 2932
promoters 1885
restriction fragment length polymorphism evolution 4189
mitochondrial genetics 922
tissue culture 1029
Saccharum officinarum
cell culture, techniques 1550
gene expression, promoters 1374
genetic engineering 3310
genetic transformation 2110, 3310
coat proteins
sugarcane mosaic potyvirus 3375
viruses 3358
promoters 1374
immunological techniques
Clavibacter xyli subsp. *xyli* 445
mycoplasma-like organisms 444
Xanthomonas albilineans 432
protoplasts 2110
tissue culture 1007, 1574
regenerative ability 1560
Saccharum spontaneum
gene mapping 2007
restriction fragment length polymorphism 5274
genetic transformation, techniques 1683
restriction fragment length polymorphism 2007
Safety
genetic engineering, foods 3816
laboratories, books 3822
plants, genetic engineering, reviews 4908
Sagittaria sagittifolia, nucleotide sequences, proteinase inhibitors 1292
Saintpaulia ionantha
somaclonal variation 2300
tissue culture, regeneration 4278
Salicylic acid
cell culture, *Rosa damascena* 6014
gene expression
Arabidopsis thaliana 3905
Nicotiana tabacum 604, 1900, 3016, 3905
plants 6194
genetic transformation, *Nicotiana tabacum* 1900, 3905, 5836
promoters, *Nicotiana tabacum* 1900, 5836
Salicylic acid binding protein
gene expression, *Nicotiana tabacum* 3016, 3903
molecular genetics, *Nicotiana tabacum* 3024
nucleotide sequences, *Nicotiana tabacum* 3016
Salinity
gene expression
Arabidopsis thaliana 2722-2723
Atriplex nummularia 1912, 2720
Elymus elongatus 1886
Lycopersicon esculentum 5626, 5635
Mesembryanthemum crystallinum 2719
Nicotiana tabacum 2720
Triticum aestivum 1886
gene mapping
Lycopersicon esculentum 4899
Lycopersicon pennellii 4899
genetic engineering, plants 4355
genetic markers
Lycopersicon esculentum 4899
Lycopersicon pennellii 4899
in vitro selection
Arundinaria pygmaea 6633
Bambusa multiplex 6633
Bambusa oldhami 6633
Ipomoea batatas 2873
Phyllostachys aurea 6633
plants 1196, 2309
Setaria italica 162
Vigna radiata 624, 3929
Zea mays 6104
induced mutations, *Setaria italica* 162
nucleotide sequences
Arabidopsis thaliana 2723
Hordeum vulgare 5654
Lycopersicon esculentum 5626, 5635
Medicago sativa 230
promoters, *Arabidopsis thaliana* 2722
tissue culture
Brassica 2177
Daucus carota 1612
Helianthus annuus 4284
Solanum tuberosum 544
Vaccinium corymbosum 2102
Salivary glands, proline-rich proteins, DNA binding proteins, gene expression, rats 188
Salix caprea, tissue culture 4277
Salix viminalis
genetic transformation
Agrobacterium tumefaciens 3575
isopentenyl transferase 3575
Salmonella
diagnosis, polymerase chain reaction 1477
DNA probes, detection 2580
ELISA, detection, foods 5358
Salmonella dublin, ELISA, carrier state, detection, cattle 1484
Salmonella typhimurium, ELISA, detection 2038
Salutaridine
cell culture
Papaver bracteatum 4451
Papaver somniferum 4451
Salutaridine:NADPH 7-oxidoreductase
cell culture
Papaver bracteatum 4451
Papaver somniferum 4451
Salvia leucantha, tissue culture 472
Salvia miltiorrhiza
genetic transformation, *Agrobacterium rhizogenes* 3390
tissue culture, terpenoids 3390
Salvia officinalis, cell culture, camphor-6-exo-hydroxylase 4816

Sambucus nigra
gene expression
cellulase 5698
β-glucanase 5698
nucleotide sequences
cellulase 5698
β-glucanase 5698
Sampling, techniques, efficiency, DNA hybridization, diagnosis, bovine herpesvirus 1506
Sanguinaria canadensis
cell culture
alkaloids 4448
sanguinarine 4448
Sanguinarine, cell culture, *Sanguinaria canadensis* 4448
Saponaria officinalis
gene expression, saporin 3012
nucleotide sequences, saporin 3012
Saporin
gene expression, *Saponaria officinalis* 3012
nucleotide sequences, *Saponaria officinalis* 3012
Sarcocystis cruzi, ELISA, detection, cattle 3152
Satellite DNA
actin, gene mapping, polymerase chain reaction, mice 878
apolipoproteins, gene mapping, pigs 3054
DNA fingerprinting
fishes 3597
species differences, vertebrates 3067
techniques, reviews 4203
dogs 2511
gene expression, cucumber mosaic cucumovirus 1727
gene mapping
cattle 4119
cell fusion, cattle 3589
chromosomes, mice 3051
DNA hybridization
cattle 3620
horses 3617
pigs 3609
DNA probes, sex chromosomes, pseudoautosomal region, pigs 3072
mice 890
pigs 6491
gene symbols, mice 875
genes
androgens
receptors
nucleotide sequences, dogs 3453
restriction fragment length polymorphism, dogs 3453
genetic polymorphism
dogs 895
gene mapping, mice 3607, 3619
heterochromatin, segregation, mice 1408
marker genes
eukaryotes 2553
fecundity, sheep 3063
gene mapping, cattle 3073
neoplasms, susceptibility, gene mapping, restriction fragment length polymorphism, mice 2526
nucleotide sequences
Arabidopsis thaliana 6554
Beta 4019
fishes 1228
horses 3617
parentage
cattle 917
dogs 1942
horses 936
polymerase chain reaction, *Arabidopsis thaliana* 6554
polymorphism, major histocompatibility complex, mice 2529
restriction fragment length polymorphism
cattle 376, 1395, 1400, 1415, 2512-2519, 3600, 4132, 6500
fishes 3597
fowls 3601, 5052
goats 2513-2519, 3600, 4132
pigs 1396, 6505
Satellite DNA *cont.*
restriction fragment length polymorphism *cont.*
sheep 1401-1402, 1411, 1413, 2513-2519, 3600, 4132
X chromosome, organization, laboratory mammals, reviews 5864
Satellite RNA
gene expression
cucumber mosaic cucumovirus
Nicotiana bigelovii 120
Nicotiana clevelandii 120
genetic transformation
cucumber mosaic cucumovirus 125
viruses, plants 606
Saudi Arabia
poultry manure, application to land, biodegradation 3785
refuse, application to land, biodegradation 3785
Saxifragaceae
chloroplast genetics
evolution 4711
ribulose-bisphosphate carboxylase 1823
taxonomy 1823
nucleotide sequences
evolution 4711
ribulose-bisphosphate carboxylase 1823
taxonomy 1823
Scandinavia
furbearing animals, gene banks 4238
genetic engineering
biosafety 1629
regulations 1629
Schistosoma
detection, random amplified polymorphic DNA, species 4770
ribosomal DNA, restriction mapping 4423
Schistosoma mansoni, triose-phosphate isomerase, nucleotide sequences 79
Schistosomiasis, targeted mutagenesis, interferon, mice 4492
Scilla scilloides
DNA hybridization, ribosomal DNA 6532
gene mapping, ribosomal DNA 6532
Sclerochloa dura
chloroplast genetics, taxonomy 5883
restriction fragment length polymorphism, taxonomy 5883
Sclerospora graminicola, *in vitro* selection, *Pennisetum glaucum* 3415
Sclerostachya
chloroplast genetics, evolution 4189
restriction fragment length polymorphism, evolution 4189
Scoparia dulcis, tissue culture, diterpenes 4455
Scopolamine
genetic transformation, *Atropa belladonna* 3389
tissue culture
Datura 4489, 6204
Datura fastuosa 2282
Datura stramonium 147
Scrapie
genes, prion protein, restriction fragment length polymorphism, disease resistance, sheep 902
prion protein
genetic polymorphism, polymerase chain reaction, sheep 901
infection, transgenics, mice 5493
nucleotide sequences, sheep 901
transgenics, mice 3873
prions, gene expression, transgenics, mice 593
Scutellaria baicalensis, cell culture, flavonoids 1739
Scytalidium vaccinii, RNA, genetic relationships 166
SDS-PAGE, glutenins, *Triticum aestivum* 1440
Seasons, oestrus, synchronization, prostaglandins, buffaloes 523
Secale cereale
anther culture
chromosome substitution 1066
Secale cereale *cont.*
anther culture *cont.*
Erysiphe graminis 1066
antibodies
chromosome translocation 957
secalins 957
DNA hybridization
accessory chromosomes 1973
nucleolus organizer 1872
repetitive DNA 1872, 1913, 1973
embryo culture, intergeneric hybridization 6008, 6021
gene expression
chloroplast genetics 302
heat shock proteins 6425
ribosomal DNA 3029
ribosomes 5684
gene mapping 4163, 4166, 5263, 5278-5279, 5281
Heterodera avenae 4177
isoenzymes 5872
random amplified polymorphic DNA 5915
restriction fragment length polymorphism 5915
genetic markers, secalins 4722
genetic transformation
Agrobacterium tumefaciens 6195
virulence 6195
mitochondrial genetics
DNA polymerase 2938
ribosomal RNA 6520
molecular genetics, ribosomal DNA 3029
nucleotide sequences
DNA polymerase 2938
mitochondrial genetics 1248
ribosomal DNA 1248
ribosomes 5684
polymerase chain reaction 3090
Heterodera avenae 4177
secalins 4722
self incompatibility 5431
random amplified polymorphic DNA, variety classification 6534
restriction fragment length polymorphism 3090, 4163, 4166, 5281
accessory chromosomes 1973
Heterodera avenae 4177
repetitive DNA 1973
ribosomal RNA 6520
somaclonal variation 5555
tissue culture, intergeneric hybridization 1568, 6008
Secalins
antibodies
Secale cereale 957
Triticum aestivum 957
genetic markers
Secale cereale 4722
triticale 4722
Triticum aestivum 4722
polymerase chain reaction
Secale cereale 4722
triticale 4722
Triticum aestivum 4722
Secondary metabolites
bioreactors, plants 3394
cell culture
plants 3394
Ruta graveolens 1572
genetic engineering, plants, reviews 609, 4472
genetic transformation, plants, reviews 4472
plants 6112
tissue culture, plants 3387
Seeds
DNA hybridization, *Brassica napus* 2438
DNA methylation, *Zea mays* 5785-5786
gene expression
Arabidopsis thaliana 4653, 5835
Avena fatua 4078
Brassica napus 2438
Cicer arietinum 2433
Glycine max 3552
Helianthus annuus 5834
lectins, *Nicotiana tabacum* 322
Nicotiana tabacum 3552, 5834
Oryza sativa 5113
Pisum sativum 322
Pseudotsuga menziesii 4652

Seeds *cont.*
gene expression *cont.*
Triticum aestivum 543
gene mapping, *Zea mays* 924
genetic engineering
Arabidopsis thaliana 5835
Glycine max 3552
Pisum sativum 322
genetic transformation
lectins, *Nicotiana tabacum* 322
Nicotiana tabacum 3552
immunological techniques, *Pisum sativum* 5964
mutations, *Zea mays* 5785
nucleotide sequences, *Oryza sativa* 5113
polymerase chain reaction
plants 5345
Zea mays 5345
promoters
Arabidopsis thaliana 5835
Glycine max 3552
Helianthus annuus 5834
Nicotiana tabacum 3552, 5834
Pisum sativum 322
restriction fragment length polymorphism, *Zea mays* 924
RNA probes, *Pisum sativum* 5964
Segregation, heterochromatin, satellite DNA, mice 1408
Segregation distortion, α-adrenergic receptors, restriction fragment length polymorphism, strains, Dahl, rats 5868
Selectable markers
acetolactate synthase, *Arabidopsis thaliana* 4439
cloning, gene expression, vectors, antisense DNA, cell lines 4741
gene tagging
Lycopersicon esculentum 6553
Nicotiana tabacum 6553
genetic transformation 5954
Malus pumila 4948
Oryza sativa 5481
plants 6142, 6262
Triticum aestivum 5481
herbicide resistance, *Arabidopsis thaliana* 4439
nucleotide sequences, plants 6262
promoters
Oryza sativa 5481
Triticum aestivum 5481
techniques, cereals 4627
transposable elements
Lycopersicon esculentum 6553
Nicotiana tabacum 6553
Selectins
binding proteins
gene expression, mammary glands, mice 5172
nucleotide sequences, mice 5172
ELISA, detection, dogs 2575
gene expression, monoclonal antibodies, cell lines 5014
nucleotide sequences, cattle 2921
targeted mutagenesis, embryonic stem cells, leukocytes, mice 619
Selection
body composition, lean, ornithine decarboxylase, restriction fragment length polymorphism, mice 1943
homologous recombinants, targeted mutagenesis, embryonic stem cells, mice 3410
immune response, restriction fragment length polymorphism, fowls 3074
suppressor elements, cloning, marker genes, techniques 5328
techniques, β-galactosidase, bacteriophages, *Escherichia coli* 3664
Selenium, embryos, *in vitro* development, cattle 973, 5374
Self incompatibility
gene expression
Brassica 2163
Brassica alboglabra 2678
Brassica napus 533, 2682
Nicotiana alata 2679, 3774
Nicotiana langsdorffii 3774
Nicotiana tabacum 533
Solanum chacoense 2678
Self incompatibility *cont.*
gene mapping, *Lycopersicon peruvianum* 1428
genetic engineering, *Brassica napus* 533
genetic markers, *Lycopersicon peruvianum* 1428
genetic transformation
Nicotiana alata 3774
Nicotiana langsdorffii 3774
Nicotiana tabacum 533
Petunia inflata 3773
molecular genetics
Brassica 1599
Brassica alboglabra 2678
Brassica napus 4337
Nicotiana 3772
Petunia 3772
plants 2164, 6702
reviews 5430
Solanaceae 2156
Solanum chacoense 2678
nucleotide sequences
Brassica alboglabra 2681
Brassica campestris 5709
Brassica napus 2682
Daucus carota 1799
Lycopersicon peruvianum 6306
Nicotiana alata 2679
Solanum chacoense 4889, 6263
polymerase chain reaction
Brassica 6545
Secale cereale 5431
Solanum chacoense 6263
promoters, *Brassica napus* 533
restriction fragment length polymorphism, *Brassica* 6545
Semen
freezing
antioxidants, cattle 2118
artificial insemination, site, pregnancy rate, sheep 6697
cattle 4309
cryoprotectants
fishes 2124
polyols, spermatozoa, motility, sheep 6672
embryos, *in vitro* development, cattle 965
semen diluents, Atlantic salmon 1044
spermatozoa, fertilizing ability, cats 4862
furbearing animals, gene banks, Scandinavia 4238
sex chromosomes, detection, polymerase chain reaction, cattle 2031
Semen diluents
oocytes
in vitro development, cattle 965
in vitro fertilization, cattle 965
semen, freezing, Atlantic salmon 1044
Seminal vesicles
proteins
gene mapping, DNA hybridization, mice 717
nucleotide sequences, mice 717
Seminalplasmin, nucleotide sequences, vesicular gland, cattle 3961
Sempervivum tectorum, tissue culture, regeneration 4255
Senecio hybridus, tissue culture, somatic embryogenesis 4272
Senecio jacobaea
protoplast fusion 2799
restriction fragment length polymorphism 2799
Senecio nemorensis
protoplast fusion 2799
restriction fragment length polymorphism 2799
Senecio vulgaris
tissue culture
alkaloids 3700
homospermidine synthase 3700
Senescence
gene expression
Arabidopsis thaliana 2963, 6358
Brassica napus 6251
Dianthus caryophyllus 2486
Hordeum vulgare 273
Nicotiana tabacum 869
Raphanus sativus 3027
Senescence *cont.*
genetic transformation, *Nicotiana tabacum* 869
molecular genetics, *Brassica napus* 6251
nucleotide sequences
Arabidopsis thaliana 2963
Brassica napus 6251
promoters, *Nicotiana tabacum* 869
Sensors (*see also* Biosensors)
Serine phosphatase, nucleotide sequences, *Arabidopsis thaliana* 3492
Serine proteinase
inhibitors
gene expression, development, fowls 241
nucleotide sequences, fowls 241
nucleotide sequences, rats 3942
Serological relationships, viruses, *Zea mays* 2590
Serology
ELISA, groundnut bud necrosis virus 2586
maize stripe tenuivirus, *Zea mays* 426
Serotonin
receptors
gene expression
brain, rats 2407, 2911, 3977
mice 2909
rats 1870, 5757
gene mapping, DNA hybridization, mice 2909
nucleotide sequences
brain, rats 3977
mice 2909
rats 1870, 2407, 2911, 5073, 5757
tissue culture, *Peganum harmala* 4445
Serotypes, differential diagnosis, polymerase chain reaction, infectious bronchitis virus 1490
Serpin, nucleotide sequences, *Hordeum vulgare* 1281
Serpulina hyodysenteriae, flagella, proteins, nucleotide sequences 67
Sertoli cells
germ cells, binding, tyrosine kinase, receptors, binding proteins, mutations, gene expression, mice 1312
inhibin, transcription, c-AMP, rats 811-812
proto-oncogenes
transcription
c-AMP, cell cultures, mice 819
FSH, cell cultures, mice 819
Sesbania, tissue culture, regeneration 1039
Sesbania rostrata
DNA binding proteins, leghaemoglobin 1383
genetic engineering, leghaemoglobin 1383, 4651
nucleotide sequences, leghaemoglobin 1383
promoters, leghaemoglobin 4651
Sesleria insularis
chloroplast genetics, taxonomy 5883
restriction fragment length polymorphism, taxonomy 5883
Sesquiterpenes, tissue culture, *Ambrosia trifida* 4466
Setaria italica
in vitro selection, salinity 162
induced mutations, salinity 162
Setosphaeria turcica
gene mapping, *Zea mays* 3362, 6180
linkage, *Zea mays* 5922
restriction fragment length polymorphism, *Zea mays* 3362, 5922, 6180
Sex
anther culture, *Silene pratensis* 6692
cloning, *Rumex acetosa* 4560
DNA hybridization, *Rumex acetosa* 4560
DNA probes, *Mercurialis annua* 422
gene expression, plants 1882
Sex chromosomes
chimaeras, detection, twinning, polymerase chain reaction, cattle 5334
detection
erythrocytes, polymerase chain reaction, cattle 2031
semen, polymerase chain reaction, cattle 2031
polymorphism, DNA probes, fishes 6589

Sex chromosomes *cont.*
proteins
meiosis
spermatogenesis
gene expression, mice 3506
nucleotide sequences, mice 3506
pseudoautosomal region, satellite DNA, gene mapping, DNA probes, pigs 3072
ribosomes, proteins, gene mapping, mice 3990
Sex control
H-Y antigen, mice 4806
spermatozoa, X-Y separation, cattle 2147
X-Y separation
livestock 6675
rabbits 6675
Sex determination
DNA probes, fishes 3597
embryos, polymerase chain reaction, cattle 964
gene expression
Caenorhabditis elegans 3371
embryos, mammals, reviews 2405
genes
molecular genetics, mammals, reviews 365
nucleotide sequences, sex reversal, mice 6338
polymerase chain reaction, embryos, sex diagnosis, mice 979
proto-oncogenes, transcription, promoters, rats 5142
RNA, splicing, DNA conformation, mice 767
molecular genetics
Caenorhabditis elegans 3371
mice, reviews 1850
nucleotide sequences
cattle 689
goats 689
sheep 689
promoters, nucleotide sequences, mice 4515
restriction fragment length polymorphism, fowls, reviews 4129
Y chromosome, deletions, restriction fragment length polymorphism, mice 4664
Sex diagnosis
blastocyst, polymerase chain reaction, cattle 962
blastomere, polymerase chain reaction, cattle 903
chromosomes, polymerase chain reaction, marker genes, techniques 5250
embryos
blastomere, biopsy, polymerase chain reaction, mice 960
cattle 1518
chromosomes
cattle 4783
mice 4783
H-Y antigen
cattle 963
livestock 976
mice 963, 976, 4224, 4806
rabbits 4224
hypoxanthine phosphoribosyltransferase, cattle 452
karyotypes
cattle 963, 976
mice 963
polymerase chain reaction
buffaloes 2596
cattle 962, 5359
DNA probes, Y chromosome, pigs 5352
mammals, reviews 6579
mice 977, 979
fetus, ultrasonics, horses 2600
Sex differences
body weight, cholecystokinin, immunization, pigs 1604
cytochromes
gene expression
guineapigs 760
mice 760
embryos, *in vitro* development, mice 977
Sex hormones, binding proteins, targeted mutagenesis, cell lines 155
Sex linkage
somatotropin, pseudogenes, fishes 3941
transcription factors, gene mapping, mice 6464
Sex ratio
embryo transfer, embryos, freezing, cattle 3679
spermatozoa, X-Y separation, cattle 2147
Sex reversal
genes, sex determination, nucleotide sequences, mice 6338
oestrogens, embryos, fishes 5426
testosterone, fishes 3771, 6061
Sexual maturity
embryos, *in vitro* development, cattle 4239
females, somatotropin, cattle 4893
induction, temperature, water, mollusca 6064
triploidy, induction, fishes 1593
Sexual reproduction, gene expression, plants 1882, 5783, 5823
Shedding
gene expression, *Brassica napus* 3472-3473
nucleotide sequences, *Brassica napus* 3472-3473
Sheep
adenosinetriphosphatase, nucleotide sequences 1221
adenylate cyclase, activating polypeptide, restriction fragment length polymorphism 2537
androstenedione
immunization
female fertility, reviews 1590
lambing rate 4334
ovulation rate 4334
superovulation, reviews 1590
antitrypsin, gene expression, mammary glands, transgenics, reviews 3330
artificial insemination
site, pregnancy rate, semen, freezing 6697
techniques 6697
blood coagulation factors, gene expression, transgenics 1694
body weight, somatotropin 3769
breeding season, females, melatonin 4880
calcitonin, nucleotide sequences 651
carcass composition
choriomammotropin 2686
somatotropin 2686
carcasses, somatotropin 3769
casein, gene mapping, DNA hybridization 893
chromosome translocation, techniques, flow cytometry 1047
cytochromes, promoters, nucleotide sequences 6222
detection
polymerase chain reaction, *Francisella tularensis* 3146
restriction fragment length polymorphism, Nematoda 4767
DNA binding proteins, prolactin, gene expression 3987
DNA fingerprinting, flocks, variation 3596
elastin, restriction fragment length polymorphism 373
embryo transfer
embryos
in vitro development 2607
splitting, pregnancy rate 4803
pregnancy rate 2607, 6696
embryos, zona pellucida, drilling 4240
reviews 3168
techniques 6696
embryos
freezing
cryoprotectants
glycerol 6602
propylene glycol 6602
in vitro development 4802, 6602
in vitro culture, on oviduct cells 2607
Sheep *cont.*
embryos *cont.*
in vitro development
androstenedione, immunization 1074
blood serum 4236
culture, groups 4236
culture media 4244
amino acids 4236
energy sources 1535
vitamins 4236
embryos, vitrification 3675
follicular fluid, man 5411
oviducts, cells 4244
oxygen 4244
in vivo development
HCG 4333
progesterone 4333
number
androstenedione, immunization 1074
ultrasonics 528
recovery, superovulation 2673
splitting, embryo transfer, twinning 4803
survival, cryoprotectants 4233
vitrification
cryoprotectants
glycerol 6602
propylene glycol 6602
in vitro development 6602
zona pellucida, drilling, *in vitro* development 4240
fattening performance
choriomammotropin 2686
somatotropin 1077, 2686
female fertility, androstenedione, immunization 1074
fertility, marker genes, satellite DNA 3063
food conversion, somatotropin 3769
gene mapping
chromosomes, nucleolus organizer, cell fusion 3585
complement 1 receptor, cell fusion 3585
interferon, DNA hybridization 3598
islet amyloid polypeptide, cell fusion 3585
α-2-macroglobulin factor, cell fusion 3585
myogenic factor 5, cell fusion 3585
myosin-like heavy chain, cell fusion 3585
genes
amplification, polymerase chain reaction, transgenics 47
Booroola, DNA fingerprinting, linkage 2502
callipyge, gene mapping, microsatellites 5248
keratin, restriction fragment length polymorphism 1410
myogenic factor, restriction fragment length polymorphism 1412
prion protein, restriction fragment length polymorphism, disease resistance, scrapie 902
goats
chimaeras
oestrous cycle 2059
pregnancy 2059
growth, genetic engineering, reviews 3259
growth factors, restriction fragment length polymorphism 2527
hydrocortisone, immunization, female fertility 2154
immunoglobulins
nucleotide sequences 648
restriction fragment length polymorphism 4517
disease resistance, helminthoses 4120
inhibin
immunization
ovulation rate, reviews 3248
superovulation, reviews 3248
insulin-like growth factor
nucleotide sequences 3446
RNA, alternative splicing 3446

Sheep *cont.*
insulin-like growth factor *cont.*
transcription, initiation 3446
interferon, preimplantation, trophoblast, promoters, DNA binding proteins, gene expression 5160
interleukins, nucleotide sequences 698
keratin
nucleotide sequences 3449
restriction fragment length polymorphism 1414
lactalbumin, gene mapping, DNA hybridization 1947
β-lactoglobulin, biochemical polymorphism, polymerase chain reaction, restriction fragment length polymorphism 375
lactoperoxidase, gene mapping, DNA hybridization 1947
lambing rate
inhibin, immunization 4878
melatonin, breed differences 3770
lipoprotein lipase, nucleotide sequences 1207
litter size, inhibin, immunization 4878
major histocompatibility complex
nucleotide sequences 656
restriction fragment length polymorphism 1398, 3593, 4673
disease resistance
footrot 4134
helminthoses 881, 2248
malignant catarrhal fever virus
detection, polymerase chain reaction 411
nucleotide sequences, polymerase chain reaction 411
mammary gland factor, nucleotide sequences 3987
marker genes, fecundity, satellite DNA 3063
meiosis, stage, nuclei, transfer, embryos, *in vitro* development 4849
microsatellites, gene mapping 4684
milk, adulteration, detection, ELISA, goat milk 4225
mitochondrial DNA
restriction fragment length polymorphism 361, 5249
restriction mapping 361
neurotensin, gene mapping, DNA hybridization 1424
oestrus
induction
HCG 3249
lambing rate 3249
melatonin 2148
PMSG 3249
progesterone 2148
progestogens 3249
synchronization
PMSG 1072
progesterone 1595
progestogens 1072
prostaglandins 1072
oocytes
activation, nuclei, transfer, embryos, *in vitro* development 4849
in vitro fertilization
blood serum 5411
FSH 5411
LH 5411
oestrogens 5411
ovaries, follicular fluid, man 5411
in vitro maturation 3241
blood serum 5411
FSH 5411
LH 5411
oestrogens 5411
ovaries, follicular fluid, man 5411
recovery, laparoscopy 4305
ovulation rate
FSH, in polyethylene glycol 4332
inhibin, immunization 4878
pregnancy diagnosis, ultrasonics 522, 528
pregnancy rate
embryos, vitrification 3675
HCG 4333
progesterone 4333
Sheep *cont.*
prion protein
scrapie
genetic polymorphism, polymerase chain reaction 901
nucleotide sequences 901
proteolipid protein
thyroxine-binding globulin
gene mapping 4147
linkage 4147
rabies virus, recombinant vaccines, biosafety 1186
relaxin
gene expression
ovaries 1224
placenta 1224
uterus 1224
nucleotide sequences 1224
repetitive DNA
DNA hybridization, chromosomes 3615
restriction fragment length polymorphism 3603, 4663
reproduction, melatonin 3245
restriction fragment length polymorphism, aconitate hydrolase 5074
retinoblastoma, gene mapping, DNA hybridization 1947
rhodopsin, restriction fragment length polymorphism 1957
satellite DNA, restriction fragment length polymorphism 1401-1402, 1411, 1413, 2513-2519, 3600, 4132
semen, freezing, cryoprotectants, polyols, spermatozoa, motility 6672
sex determination, nucleotide sequences 689
somatotropin
carcass composition 2689
fetus, growth 2689
growth, reviews 3259
restriction fragment length polymorphism 891
spermatozoa
acrosome reaction, cells, epithelium, models 2665
capacitation, cells, epithelium, models 2665
superovulation
FSH, embryos, recovery 5428, 6693
PMSG, embryos, recovery 6693
progestogens 2673
T lymphocytes
antigens, nucleotide sequences 1208
restriction fragment length polymorphism, disease resistance, helminthoses 4120
testosterone, immunization, female fertility 2154
thioredoxin, nucleotide sequences 6230
tickborne encephalitis virus, envelope protein, nucleotide sequences 3887
transcription factors, nucleotide sequences 3987
trichohyalin
gene expression 776
nucleotide sequences 776
vesicular stomatitis virus, detection, ELISA 3137
wool production, transgenics, reviews 2818
Shellfish, biosafety, genetic engineering, conferences 6738
Shikimate kinase, gene expression, *Lycopersicon esculentum* 5797
Shikonin
bioreactors, *Lithospermum erythrorhizon* 3395
cell culture, *Lithospermum erythrorhizon* 3752, 4485, 4487
tissue culture, *Lithospermum erythrorhizon* 3395
Shoots
induced mutations, *Arabidopsis thaliana* 6661
tissue culture, *Arabidopsis thaliana* 6661
Sialoproteins
gene expression, bones, mice 4696
gene mapping, restriction fragment length polymorphism, mice 4696
nucleotide sequences, bones, mice 4696
Sialyltransferases
gene expression
mice 5057
rats 681
nucleotide sequences
mice 5057
rats 681, 5057
Sibling species, identification, DNA probes, *Anopheles quadrimaculatus* 1485
Sickle cell anaemia, globins, chimaeras, gene transfer, mice 5507
Siderophores
nucleotide sequences, *Ustilago zeae* 1177
polymerase chain reaction, *Ustilago zeae* 1177
Signal recognition protein
nucleotide sequences, *Arabidopsis thaliana* 3487
polymerase chain reaction, *Arabidopsis thaliana* 3487
Silage
aerobic treatment, models 2717
detection, *Listeria monocytogenes,* polymerase chain reaction 5357
purification, lactic acid bacteria 2710
Silencers
erythropoietin, receptors, transcription, mice 5766
globins
nucleotide sequences
ducks 5614
fowls 5614
somatotropin, gene expression, rats 4039
T lymphocytes, receptors, transcription, mice 5722
vimentin
DNA binding proteins, fowls 3512
gene expression, fowls 3512
nucleotide sequences, fowls 3512
Silene pratensis, anther culture, sex 6692
Silver, staining, microsatellites, polymorphism, polymerase chain reaction, electrophoresis 5323
Simian virus 40, antigens, cell lines, brown fat, immortalization, rats 2310
Sinapis alba
allergens, nucleotide sequences 2942
DNA hybridization, anthers 744
DNA repair, photolyases 722
gene expression
anthers 744, 5846
circadian rhythm 5107
naringenin-chalcone synthase 4642
photolyases 722
pollen 5846
RNA binding proteins 5107
RNA polymerase 5231
thioglucosidase 1384, 4600
genetic transformation
Agrobacterium tumefaciens 2778
regeneration 2778
nucleotide sequences
anthers 744
photolyases 722
RNA binding proteins 5107
promoters, naringenin-chalcone synthase 4642
Single strand conformation polymorphism
polymerase chain reaction, major histocompatibility complex, fowls 5863
techniques, *Oryza sativa* 5910
Sire evaluation, carcass quality, somatotropin, restriction fragment length polymorphism, genotypes, cattle 6494
Sires
embryos, *in vitro* development, cattle 972
oocytes, *in vitro* fertilization, cattle 972
Skeletal development
abnormalities
genes, homeo box, targeted mutagenesis, mice 1742
proto-oncogenes, gene expression, transgenics, mice 599
Skeletal muscle, DNA, injection, gene transfer, efficiency, mice 1664
Skeleton
abnormalities, collagen, mutations, transgenics, mice 1693
creatine kinase, promoters, regulation, muscles, rabbits 5764

Skeleton *cont.*
mutations, tail kinks, gene mapping, microsatellites, mice 1949
Skin
abnormalities, oncogenes, gene expression, transgenics, mice 589
involucrin, promoters, gene expression, transgenics, mice 3325
transcription factors
gene expression
embryos
mice 758
rats 758
Skin diseases
bovine papillomavirus
detection, horses 76
nucleotide sequences, horses 76
Skull
collagen
promoters
gene expression
transgenics
c-AMP, mice 37
parathyrin, mice 37
Slurries, biogas, production, Germany 2709
Small nuclear RNA
DNA binding proteins, *Arabidopsis thaliana* 4089
gene expression
Arabidopsis thaliana 4089
Nicotiana plumbaginifolia 3017
genetic engineering, *Arabidopsis thaliana* 3017
genetic transformation, *Nicotiana plumbaginifolia* 3017
messenger RNA, splicing, reviews 4041
molecular genetics 859
nucleotide sequences
Lycopersicon esculentum 6316
mice 638
plants, reviews 5125
promoters, *Arabidopsis thaliana* 3017, 4089
Smooth muscle
blood vessels
polypeptides
gene expression, rabbits 248
nucleotide sequences, rabbits 248
potassium
channels
gene expression, colon, dogs 5045
nucleotide sequences, colon, dogs 5045
Social impact
biotechnology 2730
Côte d'Ivoire 1652
surveys, reviews 6735
molecular genetics 6119
organization of research 6119
Sodium
channels
gene expression, rats 4692
gene mapping, restriction fragment length polymorphism, mice 4692
nucleotide sequences
brain, rats 5577
Ctenocephalides felis, cats 2254
RNA, alternative splicing, brain, rats 5577
exchangers, gene mapping, DNA hybridization, rats 6501
hydrogen, exchangers, c-AMP, regulation, targeted mutagenesis, cell lines 6205
transporters
gene expression, rats 258
nucleotide sequences, rats 258
transcription, rats 258
Sodium azide, tissue culture, *Solanum tuberosum* 6012
Sodium chloride
embryos
in vitro development
cattle 6600
mice 1041
Sodium hyaluronate
embryos
freezing
survival
cattle 970
Sodium hyaluronate *cont.*
embryos *cont.*
freezing *cont.*
survival *cont.*
mice 970
Sodium-hydrogen exchanger, gene mapping, restriction fragment length polymorphism, mice 369
Soil
aroclor, bioremediation, *Pseudomonas cepacia* 2705
ELISA
alachlor 448
atrazine 450
cyanazine 450
herbicide residues 450
immunological techniques
herbicides 423
imazethapyr 423
isopropylbenzene, aerobic treatment, microcosms 2718
pesticides, bioremediation, *Pseudomonas cepacia* 2705
Soil-borne wheat mosaic furovirus
ELISA, *Triticum aestivum* 433
RNA probes, *Triticum aestivum* 433
Solanaceae, molecular genetics, self incompatibility 2156
Solanum
chloroplast genetics, taxonomy 2550
genetic transformation 6126
mitochondrial genetics, apocytochrome *b* 872
molecular genetics
Clavibacter michiganensis 6178
Erwinia 6178
Pseudomonas solanacearum 6178
nucleotide sequences, apocytochrome *b* 872
random amplified polymorphic DNA 1444
restriction fragment length polymorphism 3634
evolution 5269
ribosomal DNA 5269
RNA editing, apocytochrome *b* 872
tissue culture
interspecific hybridization 6035
somatic embryogenesis 1544
tubers 6035
Solanum aculeatissimum, protoplast fusion 2798
Solanum berthaultii
genetic markers, insect resistance 4981
restriction fragment length polymorphism, insect resistance 4981
Solanum brevidens, protoplast fusion, interspecific hybridization 3869
Solanum bulbocastanum
magnetic separation, techniques 6154
protoplast fusion
interspecific hybridization 3867
Meloidogyne chitwoodi 3867
techniques 6154
Solanum chacoense
gene expression, self incompatibility 2678
molecular genetics, self incompatibility 2678
nucleotide sequences
glycoproteins 6263
self incompatibility 4889, 6263
polymerase chain reaction
glycoproteins 6263
self incompatibility 6263
Solanum commersonii
protoplast fusion 5491
cold resistance 4400
interspecific hybridization 4400
tissue culture 987
Solanum dulcamara
gene flow
biosafety 6726
interspecific hybridization 6726
release 6726
tissue culture, nonionic surfactants 3726
Solanum khasianum, protoplast fusion 2798
Solanum malacoxylon, tissue culture 4294
Solanum melongena
gene expression
anthocyanins 2376
Solanum melongena *cont.*
gene expression *cont.*
flavonoids 2376
light 2376
genetic transformation 5954
nucleotide sequences
anthocyanins 2376
cytochromes 6319
flavonoids 2376
light 2376
Solanum muricatum, tissue culture 2631
Solanum nigrum
gene flow
biosafety 6726
interspecific hybridization 6726
release 6726
nucleotide sequences, chloroplast genetics 4009
protoplast fusion 577
Solanum phureja
anther culture, somatic embryogenesis 5417
protoplast fusion, reducing sugars 4959
Solanum sodomeum, genetic transformation, *Agrobacterium tumefaciens* 2779
Solanum spegazzinii
gene mapping, *Globodera rostochiensis* 3368
restriction fragment length polymorphism, *Globodera rostochiensis* 3368
Solanum stoloniferum
cell culture 1121
genetic transformation 1121
Solanum tuberosum
antibodies
β-fructofuranosidase 4643
introns 2947
maturase 2947
phosphotransferases 4643
sucrose synthase 4643
transfer RNA 2947
tubers 4643
bioreactors 4346
chloroplast genetics 1433
cloning
introns 2947
maturase 2947
transfer RNA 2947
DNA fingerprinting 1976
gene expression
Agrobacterium tumefaciens 6264
antisense DNA 355, 2372, 3560, 4641, 5209
carbohydrates 3351
cecropin 2269
chitinase 3467, 3904
cold resistance 5446
cucumber mosaic cucumovirus 2279
disease resistance, reviews 6432
epoxide hydrolase 6313
flowers 1802
β-fructofuranosidase 4643
1,4-α-glucan branching enzyme 5852
β-glucanase 3467, 3904
glucose-1-phosphate adenylyltransferase 5852
glycogen (starch) synthase 6170
hydroxymethylglutaryl-CoA reductase 6364
injuries 6268
leaves 2361
light 1365
lipoxygenase 6268
lysozyme 2269
patatin 5208, 6359
phosphotransferases 4643
photosynthesis 6385
photosystem I 1365
Phytophthora infestans 3904
potato X potexvirus 2279, 3889
potato Y potyvirus 2279
proteinase inhibitors 1837
pyrophosphate-fructose-6-phosphate 1-phosphotransferase 5209
Rieske FeS protein 5634
starch 6170, 6385
starch synthase 2372, 3560, 6371
stress 5446
sucrose synthase 4643, 5852
sucrose transporter 2371

Solanum tuberosum *cont.*
gene expression *cont.*
sulfate adenylyltransferase 5657
transfer RNA 5825
translocation 2371, 4641
triose-phosphate translocator 6385
tubers 4643, 6359
UTP-glucose-1-phosphate uridylyltransferase 355
viruses, reviews 6432
gene flow
biosafety 4363, 6726
interspecific hybridization 6726
release 6726
gene mapping
disease resistance, reviews 6432
Globodera rostochiensis 3368
viruses, reviews 6432
genetic engineering
biosafety 4363
carbohydrates 3351
epoxide hydrolase 6313
proteinase inhibitors 51
public opinion, Netherlands 2726
reviews 5514
ribosomes 3478
source sink relations 5233
ubiquitin 3478
genetic markers, insect resistance 4981
genetic transformation 3345
Agrobacterium rhizogenes 1673
Agrobacterium tumefaciens 3859, 4393, 6264
antisense DNA 355, 2372, 3560, 5209
arylphorin 6168
Bacillus thuringiensis 127
carbohydrates 1673
cecropin 108, 2260, 2269, 6168
cucumber mosaic cucumovirus 2279
Erwinia carotovora 2260, 3897
fructans 5517
β-fructofuranosidase, reviews 6171
fructosyltransferase 5517
glucose-1-phosphate adenylyltransferase 5668
glycogen (starch) synthase 6170
levansucrase 5517
lysozyme 2269, 3897
Manduca sexta 127
2′-5′ oligoadenylate synthetase 129
Ostrinia nubilalis 127
pathogens 6190
photosynthesis 4084, 6385
Phthorimaea operculella 127
phytohaemaglutinin 6168
plastocyanins 4084
potato X potexvirus 129, 2279
potato Y potyvirus 2279
Pseudomonas solanacearum 108
pyrophosphate-fructose-6-phosphate 1-phosphotransferase 5209
starch 5668, 6170, 6385
starch synthase 2372, 3560, 6371
sucrose synthase, reviews 6171
techniques 4393
triose-phosphate translocator 6385
UTP-glucose-1-phosphate uridylyltransferase 355
Verticillium 4982
immunological techniques
glycoproteins 6590
gynoecium 6590
in vitro culture 3749, 6617
in vitro selection
Alternaria solani 3412, 3894
atrazine 2272
herbicides 2272
magnetic separation, techniques 6154
mitochondrial genetics
formate dehydrogenase 1246
NADH dehydrogenase (ubiquinone) 5794
transfer RNA 215, 5825-5826
molecular genetics 6435
cysteine proteinases 4629
tubers 4629
monoclonal antibodies, glycoalkaloids 6591
mutations
atrazine 2272

Solanum tuberosum *cont.*
mutations *cont.*
herbicides 2272
nucleotide sequences
chitinase 3467
cytochrome *c* 228
DNA binding proteins 6264
epoxide hydrolase 6313
flowers 1802
formate dehydrogenase 1246
fructokinase 742
1,4-α-glucan branching enzyme 737
β-glucanase 3467
glucose-1-phosphate adenylyltransferase 5668
glucose-6-phosphate dehydrogenase 4001
glycine dehydrogenase (decarboxylating) 5660
leaves 2361
light 1365
lipoxygenase 6268
phosphoenolpyruvate carboxylase 1820
photosystem I 1365
proteinase inhibitors 723, 1837
ribosomes 3478
Rieske FeS protein 5634
starch 5668
sucrose transporter 2371
sulfate adenylyltransferase 5657
transcription factors 6264
transfer RNA 215
translocation 2371
ubiquitin 3478
polymerase chain reaction 3090
promoters
Agrobacterium tumefaciens 6264
glucose-1-phosphate adenylyltransferase 5668
light 1365
patatin 5208
photosystem I 1365
ribosomes 3478
starch 5668
ubiquitin 3478
protoplast fusion 5311, 5491
cold resistance 4400
intergeneric hybridization 2797
interspecific hybridization 3867, 3869, 4400
Meloidogyne chitwoodi 3867
reducing sugars 4959
techniques 6154
random amplified polymorphic DNA 5311
variety classification 2543
restriction fragment length polymorphism 1976, 3090
Globodera rostochiensis 3368, 6525
insect resistance 4981
Phytophthora infestans 4162, 6525
potato X potexvirus 6525
potato Y potyvirus 6525
quantitative traits 6514
RNA editing, NADH dehydrogenase (ubiquinone) 5794, 6381
somaclonal variation 6219
Erwinia carotovora 1197
flowers 3928
5-methyltryptophan 5009
nutritive value 5009
yield components 3414
tissue culture 1024, 3761, 4289, 6657
chromosome aberrations 6639
DNA methylation 6630
N-ethyl-*N*-nitrosourea 6012
fluridone 6631
haploidy 6057
phospholipase A_2 2632
Phytophthora infestans 2632
regeneration 6631
salinity 544
sodium azide 6012
tubers 6012, 6057, 6612
translation, NADH dehydrogenase (ubiquinone) 6381
Solanum vernei
cell culture 1121
genetic transformation 1121

Solavetivone
bioreactors, *Hyoscyamus muticus* 1191
cell culture, *Hyoscyamus muticus* 150
tissue culture, *Hyoscyamus muticus* 1191
Solvents
production
hexoses, utilization, microorganisms, reviews 5440
pentoses, utilization, microorganisms, reviews 5440
Somaclonal variation
Alternaria dauci, Daucus carota 2299
anthocyanins, *Vitis vinifera* 2877
Armoracia rusticana 4266
Begonia hiemalis 2300
Brassica napus, rape 2879
carotenes, *Daucus carota* 3930
chromosome number, *Allium sativum* 2880
Clavibacter michiganensis, Lycopersicon esculentum 2297
2,4-D, *Populus* 5556
DNA, *Aloe barbadensis* 1753
DNA content, *Allium sativum* 2880
DNA methylation, *Zea mays* 1756
enzymes
Triticum aestivum 161
Triticum durum 161
Erwinia amylovora, Malus pumila 6216
Erwinia carotovora, Solanum tuberosum 1197
esterases
Triticum aestivum 161
Triticum durum 161
flooding, *Oryza sativa* 160
flowers
Solanum tuberosum 3928
Zinnia marylandica 2308
gas exchange, *Populus* 5556
grapevine fanleaf nepovirus, *Vitis vinifera* 1005
grapevine leafroll associated closterovirus, *Vitis vinifera* 1005
haploidy, *Petunia* 2301
height, *Oryza sativa* 1759
Hordeum vulgare 383
Humulus lupulus 6022
isoenzymes, *Malus pumila* 2302
leaves, *Populus* 5556-5557
Malus pumila 2103
N-methyl-*N*-nitrosourea, *Alhagi kirghisorum* 2878
5-methyltryptophan, *Solanum tuberosum* 5009
mitochondrial genetics, *Triticum aestivum* 4088, 4251
morphology, *Populus* 2296, 5557
Musa 2304
mutagens, *Alhagi kirghisorum* 2878
Mycosphaerella populorum
Populus nigra 4835
Populus trichocarpa 4835
nutritive value, *Solanum tuberosum* 5009
plants 2307
ploidy
Rosa hybrida 2876
Stevia rebaudiana 2874
Zea mays 623
Prunus 2103
public opinion, *Lycopersicon esculentum* 3276
Pyrus communis 2103
regeneration, *Triticum aestivum* 5553
regenerative ability
Eleusine coracana 6220
Malus pumila 6217
repetitive DNA
Medicago sativa 1757
Triticum aestivum 164
restriction fragment length polymorphism, *Triticum aestivum* 4251
ribosomal DNA, *Triticum aestivum* 164
rooting capacity, *Malus pumila* 6217
Rosa hybrida 3411
Saintpaulia ionantha 2300
Secale cereale 5555
Solanum tuberosum 6219
somatic embryogenesis
Asparagus officinalis 5385
Helianthus annuus 1548
Triticum aestivum 6218

Somaclonal variation *cont.*
techniques, plants 3413
tillering, *Eleusine coracana* 6220
tissue culture
Agropyron desertorum 6637
Polymnia sonchifolia 3192
Triticum aestivum 6637
Vitis vinifera 5554
Trifolium pratense 3092
triticale 625
yield components
Oryza sativa 1758
Solanum tuberosum 3414
Triticum aestivum 6218
Zea mays 5418
Somatic cells, mice, embryos, *in vitro* development, cattle 961
Somatic embryogenesis 6054
anther culture
Aegilops 6681
Aegilops squarrosa 3195
Brassica chinensis 6052
Brassica napus 4876
Brassica oleracea 2672
Catharanthus roseus 5416
Guizotia abyssinica 2143
Lolium perenne 6688
Lupinus albus 4319
Populus 4875
Solanum phureja 5417
Triticum 3183, 3195, 6681
Triticum aestivum 513, 515, 4840, 6686-6687
Triticum dicoccoides 3183
Triticum turgidum 5415
Vitis vinifera 1057
Zea mays 1063
bioreactors 1549
Daucus carota 4262, 5439
cell culture 479
Apium graveolens 2084
Cenchrus ciliaris 4813
Daucus carota 3719, 5395, 5997, 6625, 6660
Musa 4111, 5397
Plantago ovata 2630
plants 2641
Vitis vinifera 6040
Citrus aurantiifolia 6648
Citrus limon 6648
Citrus sudachi 6648
embryo culture
Arachis hypogaea 2622, 6618
Carya illinoinensis 484
Elaeis guineensis 1030
Euonymus europaeus 3176
Helianthus annuus 5984
Larix 6005
Larix leptoeuropaea 4270
Liriodendron chinense 1014
Liriodendron tulipifera 1014
Panax pseudoginseng 985
Picea abies 4817, 4831
Picea rubens 4831
Pinus palustris 4832
Prunus avium 1010
Quercus acutissima 5392
Thuja occidentalis 6017
triticale 473
gene expression, *Daucus carota* 2661
genetic transformation
Picea glauca 2774
Vitis 14
haploidy, *Triticum aestivum* 6687
in vitro culture
conifers 2075
Datura innoxia 502
plants 2117
induced mutations, *Asparagus officinalis* 5385
nucleotide sequences, *Daucus carota* 4017
ovule culture
Cayratia japonica 4323
Theobroma cacao 2624
Phoenix dactylifera 3199
protoplast fusion
Citropsis gabunensis 6155
Citrus reticulata 6155
protoplasts
Coffea arabica 6029

Somatic embryogenesis *cont.*
protoplasts *cont.*
Gossypium hirsutum 462
Oryza sativa 1033
radiation, *Dactylis glomerata* 2635
somaclonal variation
Asparagus officinalis 5385
Helianthus annuus 1548
Triticum aestivum 6218
tissue culture
Apium graveolens 2628
Arachis hypogaea 2114, 2622, 3173, 5383
Asparagus cooperi 5387
Asparagus officinalis 490, 3200
Bambusa glaucescens 6634
Cajanus cajan 5386
Camellia japonica 500
Carica papaya 4302
Chamaecyparis formosensis 6000
Cicer arietinum 1022, 6003
Cichorium 1545
Cichorium intybus 2112, 3702
Citrus 2113, 5994
Citrus sinensis 1011
Cocos nucifera 3218
Coffea arabica 3729, 4286
Coix lacryma-jobi 3722
Cucumis melo 2091
Cucurbitaceae 991
Cynara cardunculus 6011
Dactylis glomerata 2616, 2635, 6031
Daucus carota 2098, 2645, 2661, 4814, 4846, 6018
Dendranthema grandiflora 4949
Dianthus 488
Digitalis lanata 1190
Elaeis 1028
Elaeis guineensis 4296
Exacum affine 2073
Gladiolus 5399
Glycine max 2954, 3172, 3175, 4297
Hevea brasiliensis 486, 3709
Ipomoea batatas 2656, 5986
Juglans cinerea 4836
Larix 6005
Lupinus albus 3207
Magnolia macrophylla 1015
Malus pumila 3739
Manihot esculenta 1672
Medicago sativa 481, 994-995, 4946
Mussaenda erythrophylla 2621
Nerium oleander 6649
Olea europaea 3314
Oryza sativa 4288
Otatea acuminata 6659
Panax pseudoginseng 4809
Panax quinquefolius 2640
Pelargonium domesticum 6658
Pelargonium hortorum 2626
Picea abies 2654, 4826
Pisum sativum 1020
plants 2620, 2629, 2641
reviews 4847
Quassia simarouba 6646
Quercus cerris 4285
Quercus robur 4285
Quercus rubra 4285
Quercus suber 1558
Robinia pseudoacacia 3171
Senecio hybridus 4272
Solanum 1544
Sorghum 5977
Stenotaphrum secundatum 3721
Theobroma cacao 1555, 2655
Thuja occidentalis 6017
Trifolium subterraneum 2095
Vitis 2090
Vitis vinifera 468, 6040
Zea mays 988, 6001, 6027
Somatic hybridization (*see also* Protoplast fusion)
Somatic mutations
immunoglobulins
gene expression
mice 4064
transgenics, mice 588
mice 4058
nucleotide sequences, B lymphocytes, mice 3528
transgenics, mice 595, 3328

Somatolactin, promoters, gene expression, fishes 4053
Somatoliberin
immunization
carcass composition, breed differences, cattle 2683
fattening performance, breed differences, cattle 2683
receptors
gene mapping
mice 4127
molecular genetics, mice 1936
mutations
anterior pituitary, mice 5163
dwarfism, mice 4127
Somatostatin
DNA binding proteins
gene expression
intestines, rats 2997
pancreas, rats 2997
nucleotide sequences, rats 2997
gene mapping, rats 1938
immunization, growth, livestock, reviews 4329
Somatotropin
alcohol dehydrogenase, transcription, DNA binding proteins, rats 1862
animal health, Germany 2751
antisense DNA, transgenics, growth, rats 1130
body weight
cattle 1606
sheep 3769
transgenics, mice 2803
carcass composition
breed differences, pigs 2691
cattle 1606, 2168, 2684, 2688
environmental temperature, pigs 1601
fat, pigs 2165
muscles, pigs 2165
pigs 1078, 2685
reviews 4339
rabbits 3256
sheep 2686, 2689
carcasses
adipose tissue, pigs 3260
fat, pigs 6080
fatty acids, pigs 3260
sheep 3769
choriomammotropin, pituitary, transgenics, mice 6705
ELISA, detection, blood, cattle 4763
enhancers, RNA, alternative splicing, cattle 5185
fattening performance
breed differences, pigs 2691
cattle 1077, 2688
environmental temperature, pigs 1601
pigs 1078, 2165, 2685, 6080
reviews 4339
rabbits 3256
sheep 1077, 2686
fatty acids, milk composition, cattle 4338
fetus
body weight, pigs 2687
growth, sheep 2689
muscles, fibres, number, pigs 2687
fishes, cloning, gene expression, bacteria 6079
food conversion
cattle 2684
sheep 3769
gene expression
body weight, transgenics, mice 3780
hormones, effects, transgenics, mice 3780
metallothionein, promoters, transgenics, mice 3780
pituitary
cells, effects, transgenics, mice 3780
transcription factors, rats 3536
thyroid hormones, receptors, rats 3536
transgenics, rats 5504
gene mapping, fluorescence microscopy, pigs 6463
gene transfer
abnormalities, rats 6163
body weight, mice 3877
carcass composition, lipids, pigs 5510

Somatotropin *cont.*
gene transfer *cont.*
embryonic development
in sheep oviducts, cattle 3676
in vitro, cattle 3676
gene expression, mammary glands, mice 1137
growth, fishes 2223
microcapsules, gene expression, mice 2759
reproduction, mice 3877
Retroviridae, mammary glands, goats 6158
glucose, metabolism, transgenics, mice 2240
granulosa cells, growth, cattle 2675
growth
cattle 2684
fishes 5435
sheep, reviews 3259
triploidy, fishes 1603
hormones, blood, cattle, lactation 4342
hypothalamic releasing hormones
carcasses, cattle 1602
fattening performance, cattle 1602
gene transfer
pigs 6163
rabbits 6163
injection, nutrients, utilization, cattle 5433
LH, cattle 4891
meat quality
cattle 1606, 2168
Germany 2751
pigs 2169
metabolites, blood, cattle, lactation 4342
milk
European Communities 4890
labelling, legislation, USA 6106-6107
lactation, mammary glands, transgenics, goats 6158
USA 4890
milk composition
cattle 5434
mastitis, cattle 4341
milk yield
cattle 3255, 4891, 5434
mastitis, cattle 4341
nucleotide sequences, fishes 640, 3941, 5435, 5582
nutrients, utilization, lactation, cattle 1600
pregnancy rate, cattle 3255
production, fibroblasts, transplantation, transgenics, mice 3308
prolactin, pituitary, transgenics, mice 6705
promoters
DNA binding proteins
pituitary, fishes 3010
transcription, fishes 2979
gene expression
rats 4039
transcription factors, rats 5164
regulation
retinoic acid, rats 2989
triiodothyronine, rats 2989
triiodothyronine, response elements, rats 5143
pseudogenes, sex linkage, fishes 3941
receptors
gene mapping, DNA hybridization, pigs 6462
mutations
gene expression, cell lines 1304
nucleotide sequences, dwarfism, fowls 1304
transfection, gene expression, vaccinia virus, cell lines 5016
recombinant, restriction fragment length polymorphism, gene expression, milk yield, cattle 2509
reproduction, females, cattle 2155
restriction fragment length polymorphism
breed differences, cattle 1954
cattle 1967, 6477
gene frequency, carcass composition, fat, selection, effects, fowls 1399
genotypes, sire evaluation, carcass quality, cattle 6494

Somatotropin *cont.*
restriction fragment length polymorphism *cont.*
milk yield, cattle 1954
pigs 1405
sheep 891
sexual maturity, females, cattle 4893
silencers, gene expression, rats 4039
superovulation, embryos, recovery, cattle 2149, 5422
synthesis, recombinant DNA, *Escherichia coli* 144
transcription
transgenics
cell lines 592
mice 592
transcription factors, gene expression, transgenics, mice 2230
transfection
fibroblasts, encapsulation, gene therapy, mice 3308
gene expression, cell lines 628
transgenics
FSH, *in vitro* release, mice 4973
gonadotropins, secretion, mice 1689
LH, *in vitro* release, mice 4973
ovaries, follicles, size, pigs 2676
uptake, feeds, growth, fishes 3779
utilization, cattle, USA 6706
yeasts, probiotics, fishes 5438
Sorghum
mitochondrial genetics, cytoplasmic male sterility 5916
tissue culture, somatic embryogenesis 5977
Sorghum bicolor
anther culture, regeneration 4317
gene expression
Agrobacterium tumefaciens 1698
chloroplasts 1360
photosynthesis 1360
gene mapping
random amplified polymorphic DNA 5271
restriction fragment length polymorphism 5271, 5303
genetic transformation 1035
Agrobacterium tumefaciens 1698
phosphinothricin acetyltransferase 2856
nucleotide sequences
evolution 4714
photosystem I 209
ribosomal DNA 4714
transcription factors 4557
protoplasts, regeneration 1035
random amplified polymorphic DNA 4192
restriction fragment length polymorphism 4192
Sorghum propinquum
gene mapping
random amplified polymorphic DNA 5271
restriction fragment length polymorphism 5271
Sorghum stalks
fermentation
ethanol production
Fusarium oxysporum 6092
Saccharomyces cerevisiae 6092
Source sink relations
gene expression, *Beta vulgaris* 4615
genetic engineering
Arabidopsis thaliana 5233
Nicotiana tabacum 5233
Solanum tuberosum 5233
genetic transformation, *Nicotiana plumbaginifolia* 3551
nucleotide sequences, *Nicotiana tabacum* 741
South America
genetic engineering
biosafety, plants 1625
regulations, plants 1625
Spawning
induction
dopamine, antagonists, fishes 4326, 6062
GnRH, analogues, fishes 4326, 6062
gonadotropins, fishes 6065

Spawning *cont.*
induction *cont.*
hatching, fishes 6065
HCG, fishes 4881, 5423
hypophysation, fishes 4326, 5423
LHRH
analogues, fishes 5420
fishes 5423
steroid hormones, fishes 6065
Species
comparisons, chromosome banding, gene mapping 3060
detection, random amplified polymorphic DNA, *Schistosoma* 4770
identification
polymerase chain reaction
Anopheles 1703
Anopheles gambiae 1498
mammals, DNA hybridization, chromosome painting, DNA, synteny 6493
Species differences
buffaloes
cats, dogs, ducks, proto-oncogenes, restriction fragment length polymorphism 3450
cattle, repetitive DNA 3604
cattle, buffaloes, DNA probes 1388
DNA fingerprinting, fishes 4201
microsatellites, polymerase chain reaction, evolution, vertebrates 5330
mitochondrial DNA, restriction fragment length polymorphism, fowls 4148
nucleotide sequences, mollusca 1404
repetitive DNA
fowls 3611
nucleotide sequences, fishes 1789
pigs 3611
restriction fragment length polymorphism, mice 3046
Y chromosome, restriction fragment length polymorphism, mice 5598
restriction fragment length polymorphism, mollusca 1404
satellite DNA, DNA fingerprinting, vertebrates 3067
subspecies, mitochondrial DNA, restriction fragment length polymorphism, fishes 6499
Spectinomycin adenyltransferase
gene tagging
Lycopersicon esculentum 6553
Nicotiana tabacum 6553
transposable elements
Lycopersicon esculentum 6553
Nicotiana tabacum 6553
Spectrins, nucleotide sequences, dogs 711
Spectrometry
DNA sequencing
lasers
techniques 4739
vaporization, techniques 4751
Spectroscopy, DNA sequencing, labelling, isotopes, techniques 4748
Spermatogenesis
DNA binding proteins, rats 2384
enkephalins, promoters, transcription, DNA binding proteins, transgenics, mice 1126
gene expression
Caenorhabditis elegans 132
tumour suppression, transgenics, testes, mice 5714
gene mapping, mice 3070
genes
c-AMP responsive element modulator, transcription, FSH, mice 779
wingless, antisense RNA, gene transfer, mice 1125
meiosis, *in vitro* culture, cell lines, immortalization 2666
molecular genetics, mammals, reviews 1848
phosphoprotein phosphatase, gene expression, rats 786
protein kinase
gene expression, testes, mice 5192
nucleotide sequences, testes, mice 5192

Spermatogenesis *cont.*
proteins
sex chromosomes
meiosis
gene expression, mice 3506
nucleotide sequences, mice 3506
tetanus, toxins, gene expression, transgenics, mice 582
transcription factors, gene expression, mice 830
transforming growth factor, gene expression, rats 810
Spermatozoa
abnormalities, herpes simplex virus, thymidine kinase, transgenics, mice 4967
acrosome
development, gene transfer, catechol oxidase, mice 4970
proteins
nucleotide sequences
guineapigs 5020
pigs 5020
acrosome reaction
caffeine, pigs 5970
casein, pigs 5970
cells, epithelium, sheep, models 2665
detection, techniques, cattle 6665
epidermal growth factor, mice 4856
oocytes, zona pellucida, pigs 4873
ova
in vitro fertilization, pigs 1581
zona pellucida, mice 4856
swim-up test, cattle 6048
angiotensin converting enzyme, promoters, gene expression, mice 5733
antigens, *in vitro* fertilization, oocytes, cattle 6060
capacitation
caffeine, pigs 5970
calcium
heparin, oocytes, *in vitro* fertilization, cattle 1582
mice 5412
casein, pigs 5970
cells, epithelium, sheep, models 2665
concentration
oocytes, *in vitro* fertilization, pigs 1577
ova, *in vitro* fertilization, pigs 1042
dilution
embryos, *in vitro* development, pigs 5380
oocytes, *in vitro* fertilization, pigs 5380
DNA methylation, pigs 6343
encapsulation
artificial insemination
cattle, techniques 5408
pigs, techniques 5408
epididymis
oocytes
in vitro development, llamas 4850
in vitro fertilization, llamas 4850
fertility, flow cytometry, pigs 5324
fertilizing ability
in vitro
oocytes, zona pellucida, glycoproteins, pigs 6667
theophylline, cattle 2134
oocytes, zona pellucida, penetration, *in vitro*, pigs 510
semen, freezing, cats 4862
swim-up test, cattle 6048
freezing
embryo transfer, pregnancy rate, mice 3756
in vitro fertilization, mice 3756
gene transfer, electroporation, fishes 1136, 3846
haploidy, ultraviolet radiation, fishes 4312
heparin, oocytes, *in vitro* fertilization, cattle 972
inactivation, *in vitro* fertilization, cattle 2120
incubation, duration, oocytes, *in vitro* fertilization, cattle 4869

Spermatozoa *cont.*
injection
oocytes
culture media, calcium, *in vitro* fertilization, mice 6668
in vitro fertilization, mice 4306, 6668
irradiation, gene transfer, fowls 1697
membrane proteins, nucleotide sequences, rats 687
motility
oocytes, *in vitro* fertilization, cattle 1580
semen, freezing, cryoprotectants, polyols, sheep 6672
swim-up test, cattle 6048
penetration
in vitro, ova, bicarbonates, cattle 4871
oocytes
in vitro maturation
cattle 6664
pigs 6044
pigs 1048
proteins, cattle 2133
zona pellucida, pigs 4873
plasmids, gene transfer, fowls 1667
polymerase chain reaction, chimaeras, identification, mice 3876
proteins
nucleotide sequences
Mollusca 693
rats 5584
reserves, gene transfer, oxytocin, mice 2800
swim-up test, oocytes, *in vitro* fertilization, cattle 6048
X-Y separation
density gradient centrifugation, cattle 2147
flow cytometry
fowls 1071
livestock 3232
mammals 1071
rabbits 3232
H-Y antigen
cattle 1045, 3238
pigs 1045
sex control, cattle 2147
sex ratio, cattle 2147
Spermidine
polymerase chain reaction
Gossypium herbaceum 4220
Gossypium hirsutum 4220
Gossypium laxum 4220
Spermidine synthase, gene expression, transgenics, mice 35
Spermine, gene expression, *Cicer arietinum* 2433
Sphenostylis
chloroplast genetics, taxonomy 6547
restriction fragment length polymorphism, taxonomy 6547
Spice plants
in vitro culture 3698
tissue culture 3697
Spinacia oleracea
cell culture 5985
chloroplast genetics
adenosinetriphosphatase 6380
chlorophyll 5782
DNA binding proteins 5782
ribosomes 2478
gene expression
adenosinetriphosphatase 6380
betaine-aldehyde dehydrogenase 6419
chloroplast genetics 1347
heat shock proteins 870, 6350
light 4623
nitrite reductase 331, 2463
nutrient transport 335
photosynthesis 4623
plastocyanins 4095
ribosomes 2365, 2478
ribulose-bisphosphate carboxylase activase 3565
sucrose-phosphate synthase 1812
sugars 335
genetic engineering
betaine-aldehyde dehydrogenase 6419
light 4623

Spinacia oleracea *cont.*
genetic engineering *cont.*
photosynthesis 4623
plastocyanins 4084
ribulose-bisphosphate carboxylase activase 3565
sucrose-phosphate synthase 4020
molecular genetics
nutrient transport 335
sugars 335
mutations, plastocyanins 4084
nucleotide sequences
cysteine synthase 731, 740
heat shock proteins 870, 5091, 6286
3-ketoacyl-acyl carrier protein synthase III 3495
membrane proteins 5638
nucleoside diphosphate kinase II 1841
phosphoglycerate kinase 4531
ribosomes 2365
sucrose-phosphate synthase 220, 1812, 4020
polymerase chain reaction
membrane proteins 5638
sucrose-phosphate synthase 220
promoters
chlorophyll 5782
DNA binding proteins 5782
light 4623
nitrite reductase 331, 2463
photosynthesis 4623
plastocyanins 4095
ribosomes 2478
ribulose-bisphosphate carboxylase activase 3565
restriction analysis
chlorophyll 5782
DNA binding proteins 5782
splicing, chloroplast genetics 1347
tissue culture 457, 3221
Spine, gene expression, homeo box, embryos, fowls 2990
Spleen
alcohol dehydrogenase, gene expression, mice 3581
antisense DNA, transcription factors, mice 2867
aplasia, genes, homeo box, targeted mutagenesis, mice 5003
Spleen necrosis virus
gene transfer
embryos
in vitro culture
mice 6131
pigs 6131
long terminal repeats, reporter genes, gene expression, transgenics, mice 6131
Splicing
chloroplast genetics, *Spinacia oleracea* 1347
element, troponin, exons, fowls 2424
immunoglobulins, introns, gene expression, mice 3508
introns, *Zea mays* 4624
molecular genetics 859
nucleotide sequences, *Lycopersicon esculentum* 4547
RNA binding proteins, *Nicotiana sylvestris* 1262
Spodoptera littoralis
gene expression, *Lycopersicon esculentum* 5531
genetic transformation, *Nicotiana tabacum* 2838
Spores, gene expression, *Onoclea sensibilis* 328
Sporulation, genes, nucleotide sequences, *Coxiella burnetii* 1151
Sprouting, restriction fragment length polymorphism, *Triticum aestivum* 5261
Squash leaf curl bigeminivirus, genetic transformation, movement proteins, *Nicotiana benthamiana* 1723
Staining, silver, microsatellites, polymorphism, polymerase chain reaction, electrophoresis 5323
Staphylococcus, DNA probes, detection, phagocytes, mice 5355
Staphylococcus aureus, ELISA, detection 4228

Starch
fermentation
ethanol production
Aspergillus awamori 2711
Rhizopus japonicus 2711
Zymomonas mobilis 2711
gene expression
Nicotiana tabacum 5668
Solanum tuberosum 6170, 6385
gene mapping, *Zea mays* 4710
genetic transformation
Nicotiana tabacum 5668
plants, reviews 6413
Solanum tuberosum 5668, 6170, 6385
nucleotide sequences, *Solanum tuberosum* 5668
promoters, *Solanum tuberosum* 5668
restriction fragment length polymorphism, *Zea mays* 4710
utilization
chemicals, production, reviews 6090
ethanol production, reviews 6090
fuels, production, reviews 6090
Starch synthase
DNA binding proteins, *Oryza sativa* 307
gene expression
Oryza sativa 307, 1239
regeneration, *Manihot esculenta* 6423
Solanum tuberosum 2372, 3560, 6371
genetic transformation
plants, reviews 6413
Solanum tuberosum 2372, 3560, 6371
molecular genetics
Oryza 2968
Oryza sativa 2968
nucleotide sequences
Manihot esculenta 2372
Oryza 2968
Oryza sativa 1239, 2968
promoters, *Oryza sativa* 307
tissue culture, regeneration, *Manihot esculenta* 6423
Statistical analysis
amino acid sequences, comparisons 5349
DNA fingerprinting, parentage, cattle 4660
nucleotide sequences 6330
comparisons 3651, 5349
DNA libraries, contamination, detection 755
polymorphism 4523
quantitative traits
gene mapping 2554
marker genes, linkage 6455
recombination, nucleotide sequences 2923
Statistics
in vitro culture, plants 6619
marker genes, distribution, linkage, estimation 3077
restriction fragment length polymorphism 2004
Stearoyl-CoA desaturase
DNA, restriction fragment length polymorphism, cattle 1423
gene expression
Arabidopsis thaliana 1293
Brassica napus 6272
Glycine max 6272
Nicotiana tabacum 6280
Vigna radiata 6440
genetic engineering, *Arabidopsis thaliana* 6280
genetic transformation
Arabidopsis thaliana 1293
Nicotiana tabacum 6280
induced mutations, *Arabidopsis thaliana* 1293
molecular genetics, *Arabidopsis thaliana* 6272
nucleotide sequences
Arabidopsis thaliana 1293, 6297
Brassica napus 1293, 6272
Glycine max 1293, 6272
Ricinus communis 6288
restriction fragment length polymorphism, cattle 1423
Stem cell factor, nucleotide sequences, pigs 3463
Stems, gene expression, plants 5783, 5823
Stenotaphrum secundatum, tissue culture, somatic embryogenesis 3721
Stephania cepharantha
tissue culture
alkaloids 4484
bisbenzylisoquinoline 4484
Sterility
gene expression
gynoecium, *Nicotiana tabacum* 6699
ribonucleases, *Nicotiana tabacum* 6699
gene mapping, restriction fragment length polymorphism, mice 3070
Steroid 11β-monooxygenase
linkage
blood pressure, rats 3049
corticoids, synthesis, rats 3049
mutations, restriction fragment length polymorphism, rats 3049
Steroid 21-monooxygenase, promoters, gene expression, mice 5752
Steroid hormones
receptors, prolactin, gene expression, inhibition, cattle 4032
retroviral vectors, gene expression, induction, cell lines, mice 5470
spawning, induction, fishes 6065
Steroid hydroxylases, regulation, gene expression, homeo box, embryos, mice 2398
Steroidogenesis
targeted mutagenesis
cell lines, mice 3924
transgenics, mice 3924
Steroids
cell culture
Ammi majus 4450
Catharanthus roseus 3213
tissue culture
Ajuga reptans 3397
Digitalis purpurea 1732
Sterol esterase
gene expression, rabbits 649
nucleotide sequences, rabbits 649
Stevia rebaudiana
bioreactors 3781
somaclonal variation, ploidy 2874
tissue culture 3781
Stilbene synthase
molecular genetics
Arachis hypogaea 4112
Pinus sylvestris 4112
Stilbenes
gene expression, *Vitis vinifera* 5126
nucleotide sequences, *Vitis vinifera* 5126
Stoats, embryo transfer, embryos, freezing 2043
Stomach, calpain, RNA, alternative splicing, rats 5610
Stomata
gene expression, *Nicotiana tabacum* 5668
genetic transformation, *Nicotiana tabacum* 5668
Storage proteins, nucleotide sequences, *Populus deltoides* 2936
Strain differences
embryos, *in vitro* development, mice 1515
glucocorticoids, receptors, nucleotide sequences, rats 663
inbred strains, restriction fragment length polymorphism, mice 3066
major histocompatibility complex, nucleotide sequences, mice 1790
meprin-A, gene expression, mice 364
mitochondrial DNA, restriction fragment length polymorphism, fishes 4128
nucleotide sequences, porcine adenovirus 1147
restriction fragment length polymorphism, infectious bronchitis virus 1490
restriction mapping, porcine adenovirus 1147
thrombomodulin, promoters, endogenous viruses, insertion, mice 657
Strains
Dahl, α-adrenergic receptors, restriction fragment length polymorphism, segregation distortion, rats 5868
Strains *cont.*
genetic distance, restriction fragment length polymorphism, mice 1418
identification
DNA probes, haemorrhagic septicaemia virus 1470
microsatellites, mice 6459
random amplified polymorphic DNA, *Porphyromonas gingivalis* 1150
inbred
genetic contamination
DNA fingerprinting
mice 1959
rats 1959
Straw
composting, nitrogen 2699
pig slurry, composting, ammonia, reduction 2700
Streptobacillus
ELISA
mice 1473
rats 1473
Streptococcus pneumoniae
immunization, transgenics, mice 4411
recombinant vaccines, gene transfer, mice 4411
Streptolysin, antisense DNA, uptake, cells, mice 2756
Streptomycin
chloroplast genetics, *Nicotiana plumbaginifolia* 6442
ELISA, detection, milk 4768
gene tagging
Lycopersicon esculentum 6553
Nicotiana tabacum 6553
transposable elements
Lycopersicon esculentum 6553
Nicotiana tabacum 6553
Streptomycin phosphotransferase, gene tagging, *Petunia hybrida* 6420
Streptomycin resistance
chloroplast genetics, *Nicotiana plumbaginifolia* 1263
nucleotide sequences, *Nicotiana plumbaginifolia* 1263
Stress
cloning
Oryza sativa 5702
plants, reviews 5633
DNA libraries, *Oryza sativa* 6716
gene expression
Arabidopsis thaliana 2722, 3024, 4358, 5704
cereals 304
Hordeum vulgare 304, 6101
Lemna gibba 6437
Nicotiana tabacum 4358
Oryza sativa 5702, 6716
Phaseolus vulgaris 4353
plants 3543, 4620
books 1640
reviews 1615, 5779, 5789, 6103
Solanum tuberosum 5446
Zea mays 279, 2431, 4353
genetic engineering
Lemna gibba 6437
plants, reviews 5633
genetic transformation
Lemna gibba 6437
Nicotiana tabacum 4358, 5537
Oryza sativa 2753
in vitro selection
Oryza sativa 540
reviews 2178
Vigna radiata 624
molecular genetics
Arabidopsis thaliana 3024
Leguminosae 4356
plants, reviews 6710
mutations, *Zea mays* 279
nucleotide sequences
Elymus elongatus 4004, 5645
Oryza sativa 4545
Pisum sativum 6253
promoters
Arabidopsis thaliana 2722, 4358
Lemna gibba 6437
plants 3543
reviews 1615

Stress *cont.*
proteins
macrophages
gene expression, mice 5734
nucleotide sequences, mice 5734
nucleotide sequences, mice 5596
restriction fragment length polymorphism, reviews 2175
tissue culture, *Rosa* 4900
Strictosidine, cell culture, *Catharanthus roseus* 4471
Strictosidine β-glucosidase
cell culture
Catharanthus roseus 1741
Tabernaemontana divaricata 1741
Strictosidine synthase
cell culture
Catharanthus roseus 1741
Cinchona robusta 4482
Tabernaemontana divaricata 1741
Stylosanthes guianensis, genetic transformation, *Agrobacterium tumefaciens* 4951
Subanguina picridis
biological control, *Acroptilon repens* 495
tissue culture, *Acroptilon repens* 495
Suckling, protein-tyrosine kinase, targeted mutagenesis, behaviour, mice 3409
Sucrase-isomaltase, gene mapping, restriction fragment length polymorphism, mice 1391
Sucrose
anther culture, *Hordeum vulgare* 6691
embryos, *in vitro* development, pigs 4805
gene expression, *Glycine max* 5202
gene mapping, *Lycopersicon* 726
genetic transformation, *Nicotiana tabacum* 5857
promoters
Glycine max 5202, 5839
Nicotiana tabacum 5857
restriction fragment length polymorphism, *Lycopersicon* 726
transcription factors, *Glycine max* 5839
Sucrose-phosphate synthase
gene expression, *Spinacia oleracea* 1812
genetic engineering, *Spinacia oleracea* 4020
nucleotide sequences, *Spinacia oleracea* 220, 1812, 4020
polymerase chain reaction, *Spinacia oleracea* 220
Sucrose synthase
antibodies, *Solanum tuberosum* 4643
gene expression
Arabidopsis thaliana 317
Glycine max 291
Hordeum vulgare 1269
Lycopersicon esculentum 5239
Nicotiana tabacum 317
Solanum tuberosum 4643, 5852
Vicia faba 1896, 3484
Zea mays 6366, 6429
genetic engineering, *Arabidopsis thaliana* 317
genetic transformation
Nicotiana tabacum 317
Solanum tuberosum, reviews 6171
Zea mays 6366
nucleotide sequences
Hordeum vulgare 1269
Lycopersicon esculentum 4570
Vicia faba 3484
Zea mays 5109
Sucrose transporter
gene expression, *Solanum tuberosum* 2371
nucleotide sequences
Arabidopsis thaliana 5682
Solanum tuberosum 2371
Sugarcane mosaic potyvirus, genetic transformation, coat proteins, *Saccharum officinarum* 3375
Sugars
gene expression
Arabidopsis thaliana 335
Spinacia oleracea 335
molecular genetics
Arabidopsis thaliana 335
Spinacia oleracea 335
tissue culture
Hordeum vulgare 4291
Sugars *cont.*
tissue culture *cont.*
Lactuca sativa 6036
Sulfate
transporters
gene expression, rats 258
nucleotide sequences, rats 258
transcription, rats 258
Sulfate adenylyltransferase
gene expression
Arabidopsis thaliana 6285
Solanum tuberosum 5657
nucleotide sequences
Arabidopsis thaliana 6285
Solanum tuberosum 5657
Sulfonylurea herbicides
gene expression, *Nicotiana tabacum* 6201
genetic transformation, *Nicotiana tabacum* 138, 6201
Sulfur, removal, coal, microorganisms, bioreactors, coal mine spoil 6084
Superovulation
androstenedione, immunization, sheep, reviews 1590
buffaloes, reviews 526
cattle, PMSG, immunization, ovaries, follicles, development 6069
embryo transfer, cattle, reviews 4884
embryos
in vitro development, horses 4879
recovery
cattle 508, 3681, 3766, 4882, 6063
fallow deer 3160
FSH, cattle 4886
gonadotropins, cattle 4886
LH, cattle 4886
LHRH, antagonists, cattle 5405
red deer 3160
sheep 2673
somatotropin, cattle 5422
FSH
cattle 508, 529, 531, 1068, 1070, 1596, 4795, 4886
embryos
in vitro development, mice 5425
recovery
cattle 2153, 3246, 3768, 5429, 6694
goats 2146, 4883
mice 5425
sheep 5428, 6693
goats 1069
LH, separation, horses 524
oestrous cycle, buffaloes 2152
ovaries, follicles, development, cattle 2150
Père David's deer 6058
rabbits 1592
red deer 6058
GnRH
cattle 508
embryos, recovery, goats 4883
gonadotropins
cattle 4886
embryos, recovery, camels 2603
HCG, pigs 2151
inhibin
immunization
reviews
cattle 3248
sheep 3248
LH, cattle 529, 4886
LHRH, embryos, recovery, goats 2146
oocytes, *in vitro* maturation, goats 4313
ovulation rate
Père David's deer 6058
red deer 6058
PMSG
antibodies
cattle 4882
reviews, cattle 1588
cattle 508, 1068, 4795
embryos
in vitro development, mice 5425
recovery
cattle 3768
mice 5425
sheep 6693
goats 1069
Père David's deer 6058
Superovulation *cont.*
PMSG *cont.*
pigs 2151
red deer 6058
progestogens, sheep 2673
somatotropin, embryos, recovery, cattle 2149
Superoxide dismutase
embryos
in vitro development
mice 4778
rabbits 5364
gene expression
genetic transformation, *Nicotiana plumbaginifolia* 4616
Hevea brasiliensis 1272
mammary glands, transgenics, mice 4408
Pinus sylvestris 3792
Pisum sativum 3789, 4098
plants, reviews 5779, 5789
transgenics, mice 2812
Zea mays 3043, 5713
genetic engineering
Nicotiana plumbaginifolia 4357
Nicotiana tabacum 5538
Pisum sativum 3789
genetic transformation
Medicago sativa 4357
Nicotiana plumbaginifolia 3788
Nicotiana tabacum 3789
molecular genetics, plants, reviews 6711
nucleotide sequences
Hevea brasiliensis 1272
Ipomoea batatas 1814
mice 1934
Oryza sativa 4561
Zea mays 5713
promoters, genetic transformation, *Nicotiana plumbaginifolia* 4616
restriction fragment length polymorphism, gene mapping, rats 3592
Suppressor elements, selection, cloning, marker genes, techniques 5328
Surface proteins, cells, gene mapping, rats 1938
Surfactants
anaerobic digestion
cattle dung, methane production 6707
poultry waste, methane production 6707
whey, methane production 6707
biosurfactants, production, wastes, reviews 6094
enhancers, DNA binding proteins, rabbits 5727
gene expression, lungs, transgenics, mice 2421
lungs
promoters, transcription, cell lines 1199
receptors
gene expression
mice 5611
rabbits 5611
nucleotide sequences, pigs 5611
Surveys
public opinion, biotechnology, reviews 6735
social impact, biotechnology, reviews 6735
Survival
Cellulomonas, microcosms 2727
microorganisms, release, environment 2727
Sustainability
biotechnology 3293
India 3839
Swans, repetitive DNA, genome analysis 2522
Sweden, conferences, Symposium on regulation of embryonic growth mechanisms in mammals 553
Switzerland
1st Pig Gene Mapping Workshop, conferences 2491
embryo transfer, cattle 2064
Swiss Societies for Experimental Biology, conferences 3288
Symbiosis
DNA hybridization, *Rhizobium* 5018

Symbiosis *cont.*
Frankia, Alnus glutinosa 320
gene expression
fodder legumes 4107
grain legumes 4107
Medicago sativa 4107
nucleotide sequences, *Rhizobium* 5018
Rhizobium meliloti, Medicago sativa 172
Synapsins, gene expression, photoreceptors, transgenics, mice 6160
Synaptonemal complex
gene expression, testes, rats 3438
nucleotide sequences, testes, rats 3438
Synceros caffer, DNA probes, detection, restriction fragment length polymorphism, *Theileria parva* 6173
Syndecan
nucleotide sequences, mice 5763
transcription, mice 5763
Syntaxins
gene expression, nervous system, rats 5567
nucleotide sequences, nervous system, rats 5567
Synthetic genes
genetic transformation
Chilo suppressalis, Oryza sativa 603
Cnaphalocrocis medinalis, Oryza sativa 603
Synthetic vaccines (*see also* Vaccines)
Systemic acquired resistance
gene expression
Arabidopsis thaliana 3024
Nicotiana tabacum 3016
molecular genetics, *Arabidopsis thaliana* 3024
T-complex
homologues
gene mapping, linkage, horses 2520
restriction fragment length polymorphism, linkage, horses 2520
T lymphocytes
activation, interleukins, nucleotide sequences, fowls 5587
antigen recognition, histocompatibility antigens, transgenics, mice 4416
antigens, nucleotide sequences, sheep 1208
clonal deletion, mouse mammary tumour virus, gene transfer, mice 5500
clonal selection
endogenous viruses, mice, reviews 824
major histocompatibility complex
mice, reviews 824
transgenics, mice 2399
development
antigens, targeted mutagenesis, mice 3404
gene transfer, antigens, deletions, mice 3331
differentiation, molecular genetics, laboratory mammals, reviews 260
DNA polymerase, targeted mutagenesis, mice 6208
egg proteins, lysozyme, transgenics, immune tolerance, self tolerance, mice 3339
glycoproteins
gene expression, transgenics, mice 3516
gene mapping, restriction fragment length polymorphism, mice 3064
nucleotide sequences, mice 6240
targeted mutagenesis, immune response, mice 3400
H-Y antigen, receptors, transgenics, mice 1134
maturation, receptors, targeted mutagenesis, mice 2868
protein-tyrosine kinase, gene expression, mice 5030
proto-oncogenes, targeted mutagenesis, mice 5001
receptors
allelic exclusion, transgenics, protein-tyrosine kinase, mice 3321
DNA fingerprinting, livestock 2497
enhancers
gene expression, mice 4587

T lymphocytes *cont.*
receptors *cont.*
enhancers *cont.*
recombination
mice
cell cycle 5721
tissue specificity 5721
gene expression
cattle 2343
rats 3984
gene transfer, diabetes, transgenics, mice 2227
lymphocytic choriomeningitis virus, glycoproteins, gene transfer, diabetes, mice 4965
major histocompatibility complex, diabetes, gene expression, transgenics, mice 42
mitotic recombination
diabetes, polymerase chain reaction, mice 1303
nucleotide sequences, mice 3432
thyroid gland, mice 1858
mouse mammary tumour virus, transmission, transgenics, mice 586
nucleotide sequences
dogs 3975
mice 3956, 3963, 3978, 3981
rabbits 3952
rats 3982, 3984
promoters, transcription, mice 5722
repetitive DNA, polymorphism, Artiodactyla 1393
silencers, transcription, mice 5722
targeted mutagenesis
embryonic stem cells, intestinal diseases, mice 1745
mice 2866
transcription, mice 3520
transgenics, mice 2294, 4409
restriction fragment length polymorphism, disease resistance, helminthoses, sheep 4120
selection, major histocompatibility complex, gene expression, transgenics, mice 1128
transcription factors, nucleotide sequences, mice 682
Tabernaemontana divaricata
cell culture
alkaloids 3706
aromatic-L-amino-acid decarboxylase 1741
strictosidine β-glucosidase 1741
strictosidine synthase 1741
Tagetes erecta
bioreactors, *Agrobacterium rhizogenes* 2694
genetic transformation, *Agrobacterium rhizogenes* 2694
tissue culture, *Agrobacterium rhizogenes* 2694
Tagetes mendocina, tissue culture, regeneration 3699
Tail, gene expression, targeted mutagenesis, embryonic development, mice 3407
Tamarix gallica, tissue culture 2642
Tanacetum cinerariifolium, tissue culture, pyrethrins 4824
Tannins
cell culture, *Liquidambar styraciflua* 3391
gene expression, *Lotus corniculatus* 5200
genetic transformation, *Lotus corniculatus* 5200
tissue culture, *Cornus kousa* 4459
Targeted mutagenesis
activin
eyelids, mice 3925
reproduction, mice 3925
adenine phosphoribosyltransferase
cell lines, hamsters 5551
plasmids, vectors, cell lines, hamsters 5552
adenosinetriphosphatase, embryonic stem cells, mice 5547
Adenoviridae, vectors, mutations, correction 5551
α-amylase, gene expression, glucocorticoids, receptors, cell lines 2417

Targeted mutagenesis *cont.*
androgens, binding proteins, cell lines 155
antigens, T lymphocytes, development, mice 3404
argininosuccinate synthase, citrullinaemia, mice 6164
bacterial diseases, immune response, mice, reviews 6211
bacteriophages, DNA, triplex, psoralen 153
behaviour, mice, reviews 6346
bradykinin, receptors, gene expression, rats 5002
c-AMP, response element, binding proteins, transcription factors, mice 6210
cytokines, disease resistance, viruses, mice, reviews 2860
cytoplasmic male sterility, *Zea mays* 5535
DNA polymerase, T lymphocytes, mice 6208
drug resistance, gene expression, corticotropin, cell lines 2286
embryonic stem cells
adenylate cyclase, inhibitors, polymerase chain reaction, mice 3405
chimaeras, breeding, techniques, mice 2606
ciliary neurotrophic factor, neurons, degeneration, mice 1744
cloning, techniques 2295
hypoxanthine phosphoribosyltransferase, mice 3927
immunoglobulins
gene expression, B lymphocytes, mice 5006
immune response, mice 2865, 5007
mice 2288
interferon, regulatory factor, mice 2292
interleukins, immunological deficiency, mice 2864
intestinal diseases, mice 1750
lactalbumin, replacement, mice 3406
mannose-6-phosphate, receptors, lysosomes, proteins, mice 5549
marker genes, vectors, Picornaviridae, mice 4931
mice
books 2203, 2247, 2291, 2295, 2604, 2606, 2741
reviews 2858
mutations, diseases, mice 1749
myogenesis, transcription factors, mice, reviews 5004
myogenin, muscles, mice 2811, 2863
oestrogens
receptors
fertility, mice 2290
genitalia, development, mice 2290
polymerase chain reaction, techniques 3120
protein-tyrosine kinase
haematopoiesis, mice 3923
immune response, mice 3923
proto-oncogenes
embryonic development
liver, mice 3401
mice 2870
selection, homologous recombinants, mice 3410
T lymphocytes, receptors, intestinal diseases, mice 1745
transforming growth factor, immunological diseases, mice, reviews 3403
enhancement, metabolism, research, mice, reviews 2862
α-fetoprotein, transcription, DNA binding proteins, rats 3504
fibronectins, embryo mortality 3926
G proteins, embryonic stem cells, mice 615
gene expression, embryonic development, tail, mice 3407

Targeted mutagenesis *cont.*
genes
drug resistance, embryonic stem cells, liver diseases, mice 1748
homeo box
embryonic development, mice, reviews 4062
embryonic stem cells
embryonic development, mice 1742
mice 246
skeletal development, abnormalities, mice 1742
spleen, aplasia, mice 5003
number, techniques, mice 5005
tumour suppression
embryonic stem cells, mice 3402
neoplasms, mice 3402
zinc finger, brain, development, mice 2293
globins, promoters, marker genes 5325
glycoproteins
hormones, promoters, transcription, thyroid hormones, cell lines 1318
T lymphocytes, immune response, mice 3400
hybridization, germ cells, fusion, embryos, mice 3421
immunoglobulins
disease resistance, viruses, mice, reviews 2860
embryonic stem cells, mice 614
isotype switching, embryonic stem cells, mice 621
immunological deficiency, mice, reviews 2821
inhibin
eyelids, mice 3925
reproduction, mice 3925
insulin-like growth factor
cell lines, transformation, antigens, viruses, mice 2312
embryonic development
mice 5716
reviews 2289
growth, mice 5716
receptors
antisense DNA, mice 3539
embryonic development, mice 5716
growth, mice 5716
integrins
embryo mortality 3926
inflammation, mice 1752
interferon
receptors
embryonic stem cells, mice 156
gene therapy, myoblasts, mice 4493
immune response, viruses, mice 6214
macrophages, activation, mice 156
major histocompatibility complex, antigens, mice 156
regulatory factor
encephalomyocarditis virus, disease resistance, mice 6212
macrophages, nitric oxide, mice 4999
viruses, replication, mice 6212
schistosomiasis, mice 4492
interleukins
embryonic stem cells, intestinal diseases, mice 1743, 1747
immune response
mice 4934
pathogens, mice 3922
promoters, gene expression, mice 5138
keratin, embryonic stem cells, embryos, mortality, mice 611
leghaemoglobin, *Lotus corniculatus* 4651
lipoproteins, receptors, embryonic development, mice 616
major histocompatibility complex, mice, reviews 5550
membranes, *Zea mays* 5535
metallothionein, embryonic stem cells, mice 158
milk proteins, cattle 3921

Targeted mutagenesis *cont.*
mitochondria, proteins, gene expression, adipocytes, cell lines, mice 1855
muscles, cells, transcription factors, mice, reviews 5000
mycotoxins, *Zea mays* 5535
neural cell adhesion molecule, brain, mice 2859
neural recognition molecules, analysis, reviews 1864
neurotrophin, embryonic stem cells, mice 6207
Nicotiana tabacum 4495
nitrogen fixation, *Lotus corniculatus* 4651
oncogenes, embryonic development, mice 152
plasmids, gene transfer, *Lactobacillus helveticus* 1120
plasminogen activator
body weight, mice 3920
fertility, mice 3920
fibrin, mice 3920
prions, mice, reviews 4974
protein-tyrosine kinase
embryonic stem cells, mice 617, 620
suckling, behaviour, mice 3409
protein-tyrosine-phosphatase, embryonic stem cells, lymphocytes, development, mice 157
proteins, gene expression, reviews 612
proto-oncogenes
B lymphocytes, mice 1746
embryonic development, abnormalities, mice 1195
embryonic stem cells
diseases, mice 1751
mice 154
erythrocytes, transgenics, mice 5742
haematopoiesis, mice 1746
kidney diseases, mice 5001
mice 1195
parthenogenesis, mice 6206, 6209
promoters, activation, pressure, heart, rats 2205
T lymphocytes, mice 5001
thymus gland, mice 1746
protozoal infections, immune response, mice, reviews 6211
recombinases, techniques 5325
reproduction, inhibition, mice 2866
retinoic acid
receptors
embryonic stem cells, mice 618
gene expression, cell lines 2287
ryanodine
receptors
embryonic stem cells, mice 6215
muscles, abnormalities, mice 6215
selectins, embryonic stem cells, leukocytes, mice 619
sequential, techniques 5547
sex hormones, binding proteins, cell lines 155
sodium, hydrogen, exchangers, c-AMP, regulation, cell lines 6205
steroidogenesis
cell lines, mice 3924
transgenics, mice 3924
T lymphocytes
maturation, receptors, mice 2868
receptors, mice 2866
thyroid hormones
receptors
mice 2871
rats 2871
thyrotropin, receptors, gene expression, cell lines, mice 4494
toxins, pathogenicity, *Aspergillus fumigatus* 2253
transcription factors
B lymphocytes, mice 613
embryonic stem cells, mice 1194
gene expression, mice 1194
muscles, books 5466
nervous system diseases, mice 1194
transforming growth factor
major histocompatibility complex, mice 3513
maternal effects, mice 6213

Targeted mutagenesis *cont.*
tumour necrosis factor, receptors, *Listeria monocytogenes,* susceptibility, mice 2869
vectors
cells, mammals, techniques 2247
embryonic stem cells, mice 5548
gene transfer, embryonic stem cells, mice 159
Taxol
tissue culture
Taxus 2285
Taxus baccata 3388
Taxus brevifolia 3388
Taxonomy
chloroplast genetics
angiosperms 1795, 1826
Asteridae 1824
Catabrosa aquatica 5883
Compositae 1821
Cornus 1840
Cruciferae 5930
Cupressaceae 4540
Cyphomandra 2550
Dioscorea cayenensis 935
Dioscorea rotundata 935
Disa 5302
Empetraceae 1813
Epacridaceae 1813
Ericaceae 1813
Eucalyptus 1445
fatty oil plants 1828
Geraniaceae 1825
grasses 4734
Lycopersicon 2550
monocotyledons 1798
Nesphostylis 6547
Onagraceae 1796
Phaseolus 3647
Phippsia algida 5883
Prunus, cherries 1991
Puccinellia 5883
Saxifragaceae 1823
Sclerochloa dura 5883
Sesleria insularis 5883
Solanum 2550
Sphenostylis 6547
Zingiberales 1834
DNA hybridization
Hordeum 4151
Leymus 4151
Psathyrostachys 4151
gene mapping
Hordeum 4151
Leymus 4151
Psathyrostachys 4151
mitochondrial genetics, *Cichorium* 5928
nucleotide sequences 1843, 4760
angiosperms 1795, 1826
Asteridae 1824
Bromeliaceae 3993
Ceratocystiopsis 105
Commelinaceae 3993
Compositae 1821
Cornus 1840
Cupressaceae 4540
Empetraceae 1813
Epacridaceae 1813
Epilobium 6247
Ericaceae 1813
fatty oil plants 1828
Geraniaceae 1825
Mimulus guttatus 2961
monocotyledons 1798
Onagraceae 1796
Saxifragaceae 1823
tospoviruses 1706
Zingiberaceae 3993
Zingiberales 1834
random amplified polymorphic DNA
Clusia 1974
Coffea 1437
Hordeum 4168
Juniperus excelsa 4698
Juniperus procera 4698
Lilium 4179
Populus 4702
restriction analysis, Cruciferae 5930
restriction fragment length polymorphism
Brachypodium 5921
Catabrosa aquatica 5883

Taxonomy *cont.*
restriction fragment length polymorphism *cont.*
Cichorium 5928
Dioscorea cayenensis 935
Dioscorea rotundata 935
grasses 4734
Hordeum 6506
Leymus 6506
Nesphostylis 6547
Phaseolus 3647
Phippsia algida 5883
Prunus, cherries 1991
Psathyrostachys 6506
Puccinellia 5883
Sclerochloa dura 5883
Sesleria insularis 5883
Sphenostylis 6547
Taxus, tissue culture, taxol 2285
Taxus baccata
genetic transformation, *Agrobacterium tumefaciens* 3388
tissue culture, taxol 3388
Taxus brevifolia
genetic transformation, *Agrobacterium tumefaciens* 3388
RNA
extraction 6573
techniques 6573
tissue culture, taxol 3388
Taxus mairei, nucleotide sequences, ribosomal DNA 5099
Taylorella equigenitalis, detection, polymerase chain reaction 1471
Technical progress
animal production, animal welfare, livestock 1102
vaccines, coccidiosis, reviews 145
Techniques
androgens, receptors, messenger RNA, polymerase chain reaction, rats 5350
anther culture, *Triticum aestivum* 2144
artificial insemination, sheep 6697
bioreactors
Catharanthus roseus 3263
Perilla frutescens 1608
bone marrow, gene transfer 2291
cell culture
animals, books 2742
Asparagus officinalis 4219
Daucus carota 6585
Perilla frutescens 1608
Saccharum officinarum 1550
cell fusion, microcell hybrids, mammals 3418
chloroplast genetics, *Daucus carota* 6585
chromosome morphology
plants 1462
Vicia faba 1462
chromosome walking, polymerase chain reaction, single specific primer 5347
cloning 1644, 3129
books 2563
deletions, screening, polymerase chain reaction 3099
genes, mammals, cells 3665
mammals, books 6753
plants 1291, 1463, 2035
polymerase chain reaction 2026, 2034
chromosome translocation 1452
selection, suppressor elements, marker genes 5328
cytology 6750
diagnosis, diseases, reviews, animals 5353
DNA 404, 5940
archaeological material, polymerase chain reaction, books 4371
bacteria 4757
cloning
Lactococcus lactis, patents 5939
restriction endonucleases, marker genes 6576
Daucus carota 6585
extraction, tissues, frozen, dogs 3102
flanking, amplification, polymerase chain reaction 3111
fungi 4757
isolation, cells, mammals 3130

Techniques *cont.*
DNA *cont.*
isolation techniques, polymerase chain reaction 937
mutations, detection, electrophoresis 3113
plants 3654, 4758, 5957
Proteaceae 6575
Prunus 6574
Rubus idaeus 6574
structure, fluorescence, energy transfer 4212
Vitis 6574
Vitis vinifera 6582
DNA amplification, polymerase chain reaction, blood 3121
DNA binding proteins
detection, DNA hybridization, protein binding elements 4749
Pisum sativum 1459
DNA fingerprinting
crops 3643, 3650
satellite DNA, reviews 4203
DNA footprinting, polymerase chain reaction, reviews 5948
DNA hybridization 3128, 3659, 3669, 6756
Arabidopsis thaliana 5219, 5937
B-hordein, *Hordeum vulgare* 3098
books 2569
gene mapping, reviews 4209
plants 1359, 1465, 5937
sensitivity, chemiluminescence 5943
DNA isolation
Gossypium hirsutum 1454
Nicotiana 3124
plants 1455, 1462, 1465, 2035, 3116, 3124
Vicia faba 1462
DNA libraries 3129
chromosome jumping, construction 5342
construction
microsatellites 943
normalization 4216
plants 1463, 4743
screening, cloning 3663
subtractive, polymerase chain reaction 3108
DNA methylation
analysis 3106
detection, brain, development, mice 5152
DNA, CpG islands, isolation 6565
polymerase chain reaction, reviews 5948
DNA probes 2594, 6756
books 2569
DNA hybridization 3662
labelling
chemicals 3657
digoxigenin, DNA hybridization 3127
enzymes 3657
radiolabelling 3661
recombinant DNA, yeast artificial chromosomes 6586
DNA sequencing
biosensors, automation 4744
cloning 3134
DNA footprinting, polymerase chain reaction 2032
DNA hybridization 5319
oligonucleotides, probes, photolithography 5321
electrophoresis 3117, 3126, 4217, 5938
capillary gels, electric field strength 4752
image analysis 3666
fluorescent dyes
electrophoresis, capillary gels 4736, 4747
flow cytometry, nucleotides, detection, lasers 4746
image processors 756
labelling, isotopes, spectroscopy 4748
pulsed field electrophoresis
computer software, image processors 4753
image analysis 3666

Techniques *cont.*
DNA sequencing *cont.*
spectrometry
lasers 4739
vaporization 4751
embryo culture
mice, books 6765
Prunus persica 4837
embryo transfer
deer 6696
sheep 6696
embryonic stem cells
chimaeras
aggregation, tetraploidy, mice 2604
production, mice 2072
embryos, micromanipulation, lasers, reviews 5346
exons, introns, boundaries, genes, structure 3125
fertilization, *Zea mays* 4336
flow cytometry
books 3835
chromosome translocation, sheep 1047
gametes, micromanipulation, lasers, reviews 5346
gene expression 315
Arabidopsis thaliana 3857, 4068, 5207, 6561
books 2563
Brassica napus 2781
cereals 4627
embryos, polymerase chain reaction, mice 3658
inactivation, DNA hybridization, radionuclides 3653
Lycopersicon esculentum 2822
measurement, polymerase chain reaction 5936
mice, books 6765
Nicotiana tabacum 3578, 6561, 6577
Petroselinum crispum 22
Petunia hybrida 1350
plants 1359, 1366, 2021, 5953, 6559
Populus 6561
quantitative analysis, genes, multiple, polymerase chain reaction 3652
Xenopus 1456
Zea mays 1678
gene mapping
Arabidopsis thaliana 407, 4716
cloning 3134
DNA, stretching, DNA hybridization, fluorescence 4754
Oryza sativa 5910
polymerase chain reaction 4761
recombination walking, yeast artificial chromosomes 408
restriction endonucleases, cell lines 6569
Zea mays 4731
gene transfer
electroporation 4957
heart, rats 3306
lipospermine 3100
myocardium, rats 3306
genes
imprinting, cloning, mice 5147
number, targeted mutagenesis, mice 5005
genetic engineering 6744, 6749
books 2569, 2744, 6766
Petroselinum crispum 22
genetic markers, plants, reviews 4399
genetic polymorphism, detection, polymerase chain reaction 947
genetic transformation
Actinidia deliciosa 2780
Agrostis stolonifera 2793
Arabidopsis thaliana 3857, 4389, 4391, 4941, 4943
Beta vulgaris 4398
Brassica napus 2210, 2781, 5482
Calanthe 2212
cereals 4627
Dianthus caryophyllus 4954
Glycine max 23, 1107, 6136
Hordeum chilense 4388
Hordeum vulgare 4945
Lycopersicon esculentum 2822

Techniques *cont.*
genetic transformation *cont.*
Manihot esculenta 1672
Medicago sativa 6136
mice, books 6765
Nicotiana 3124
Nicotiana plumbaginifolia 497
Nicotiana tabacum 16, 21, 2789, 3850, 4394, 5485
Oryza sativa 1680, 2773
Petroselinum crispum 22
plants 16, 18, 21, 23, 567, 1110, 1113, 1115, 3124, 3849-3850, 6142
reviews 4399
Populus 4392
Saccharum spontaneum 1683
Solanum tuberosum 4393
Triticum aestivum 568, 576, 1118, 4945, 6147
Triticum durum 4388
Vigna unguiculata 23
Zea mays 23, 1678, 1680, 2789, 3344, 3854, 4394
genetics, *Arabidopsis thaliana* 5343
genome analysis
chromosome walking 3111
reviews 6562
globins, mutations, detection, polymerase chain reaction, mice 2024
identification, lactic acid, fermentation, optimization, lactic acid bacteria 6089
in vitro culture, books 2194
introns, exons, boundaries, genes, structure 3125
ligase chain reaction 2594
reviews 3670
liposomes, gene transfer, cell lines, mammals 4929
magnetic separation
Solanum bulbocastanum 6154
Solanum tuberosum 6154
messenger RNA, measurement 2403
microcloning, DNA libraries, mammals 179
microsatellites
identification, mice 6581
isolation, cosmids, polymerase chain reaction 6580
mitochondrial genetics
Daucus carota 6585
plants 5953
molecular genetics 949, 1644, 6750, 6754, 6756, 6758
books 1639, 2194, 6740, 6745, 6766
cells
animals, books 3827
eukaryotes, books 3660, 3665
mammals, books 3306, 3418, 3655, 3658, 3667
plants, books 6748
monitoring, genetically engineered microorganisms, soil, reviews 2731
monoclonal antibodies, isotyping, assays 5331
mutagenesis, polymerase chain reaction 3103
mutations 949
Arabidopsis thaliana 4205
detection
polymerase chain reaction 940, 952
DNA, denaturation 2571
frequency, reporter genes, transgenics, mice 3664
nucleotide sequences 954, 1641, 2977, 4760
Vitis 6584
oligonucleotides, synthesis 3123
oocytes
collection, oocytes, *in vitro* maturation, horses 2119
recovery
cattle 3226
goats 6674
ovule culture
Hordeum vulgare 6055
Prunus persica 4837
Zea mays 4336
plants 6140

Techniques *cont.*
pollen, *Zea mays* 4336
polymerase chain reaction 406, 942, 1458, 2559, 2567, 3129, 4199, 5944, 5958
Arabidopsis thaliana 407
arbitrary primers, applications, reviews 5320
bacteria 4757
buffers, automation 3101
cloning 5318
contamination, control 5329
DNA
integration, detection, transgenics 3109
measurement 956
radiolabelling 3114
RNA 941
fungi 4757
gene mapping 953, 5336
multiplex single-strand conformation polymorphism 952
mutations, avoidance 3132
nucleotide sequences 953
panhandle method, gene mapping, DNA sequencing 3112
plants 1466, 2021, 4743, 5957, 6559
products, detection, fluorescent dyes 5341
random primers, RNA, amplification, reviews 3107
reviews 3670
targeted mutagenesis, embryonic stem cells 3120
Triticum aestivum 2020
Vicia faba 4755
promoters
cereals 4627
plants 1366
proto-oncogenes, polymerase chain reaction 5951
protoplast fusion
Solanum bulbocastanum 6154
Solanum tuberosum 6154
protoplasts 1003
Alocasia odora 6636
edible fungi 2115
Hordeum vulgare 3184, 6055
Petunia 4808
plants 3713
Rosa 6636
purification
DNA 2562
cells 2558
tissues 2558
proteins
cells 2558
tissues 2558
RNA
cells 2558
tissues 2558
random amplified polymorphic DNA
artefacts 3105
crops 3643, 3650
Hordeum vulgare 6508
plants 1451, 2003, 6508
Vitis 1975
Zea mays 5880
receptors, gene transfer, cell lines, books 6128
recombinant DNA, books 4924, 5467
repetitive DNA, crops 3643, 3650
reporter genes, cereals 4627
restriction fragment length polymorphism 1458
Citrus 2561
crops 3643, 3650
plants 2003
Zea mays 5952
restriction mapping, polymerase chain reaction 3119
RNA
Abies grandis 6573
alternative splicing, polymerase chain reaction 2022
extraction, cells 3104
Glycine max 6587
hybridization, sensitivity, chemiluminescence 5943
isolation, electrophoresis, gels 946
Pinus contorta 6573

Techniques *cont.*
RNA *cont.*
Pinus taeda 6573
plants 948, 1464
Pseudotsuga menziesii 6573
Taxus brevifolia 6573
transfection, liposomes, cell lines, mammals 4924
RNA hybridization
Allium cepa 5229
Capsicum annuum 5229
embryos, fishes 4211, 4218
RNA probes 6756
gene expression 800
radiolabels, reviews 3118
selectable markers, cereals 4627
selection, β-galactosidase, bacteriophages, *Escherichia coli* 3664
sex diagnosis, chromosomes, polymerase chain reaction, marker genes 5250
single strand conformation polymorphism, *Oryza sativa* 5910
somaclonal variation, plants 3413
spermatozoa
acrosome reaction, detection, cattle 6665
encapsulation
artificial insemination
cattle 5408
pigs 5408
swim-up test
spermatozoa
acrosome reaction, cattle 6048
fertilizing ability, cattle 6048
motility, cattle 6048
targeted mutagenesis
embryonic stem cells
chimaeras, breeding, mice 2606
cloning 2295
recombinases 5325
sequential 5547
vectors, cells, mammals 2247
tissue culture
Carcia papaya 6030
Catharanthus roseus 3263
Coffea canephora 6015
Corchorus capsularis 3190
Daucus carota 2647
Nicotiana tabacum 6577
Pistacia vera 5976
plants 3743
Prunus avium 6640
Thuja occidentalis 4834
transferrin, receptors, gene transfer, cell lines 566
transgenics, identification, mice, polymerase chain reaction 2557
variety classification 6564
vectors
gene trap, embryonic stem cells 2203
Lycopersicon esculentum 2822
plants 1110
Technology transfer
biotechnology
Developing Countries 1649, 3294, 6722, 6725
plants 6110
Teeth, calbindin, gene expression, vitamin D, rats 761
Telomeres
DNA binding proteins, reviews 5678
nucleotide sequences, reviews 5678
Temperate fruits
genetic transformation, reviews 1699
in vitro selection
diseases 1710
pathogenesis-related proteins 1710
polymerase chain reaction, random amplified polymorphic DNA 5904
protoplast fusion 2103
protoplasts, reviews 2103
transgenics, reviews 1699
Temperature
anther culture
Brassica napus 4316
Oryza sativa 1064
induced mutations, *Arabidopsis thaliana* 6661
ovaries, transport, embryonic development, cattle 507

Temperature *cont.*
tissue culture
Arabidopsis thaliana 6661
Dactylis glomerata 6031
transfection, electroporation, cell lines 2769
water, sexual maturity, induction, mollusca 6064
Teosinte, gene expression, evolution 3549
Tephrosia vogelii
cell culture
rotenoids 4465
rotenone 4465
Terbuthylazine
ELISA, detection 430
monoclonal antibodies, detection 430
Terpenoids
bioreactors, *Artemisia absinthium* 4463
cell culture
Ammi majus 4450
Luffa aegyptiaca 1740
tissue culture
Arnica montana 4467
Artemisia absinthium 4463
Mentha piperita 3396
Salvia miltiorrhiza 3390
Testes
cylicin, nucleotide sequences, cattle 2899
DNA binding proteins
gene expression, mice 5719
globins, gene expression, mice 5574
nucleotide sequences, mice 5719
N-ethyl-*N*-nitrosourea, gene expression, mutations, transgenics, mice 5505
gene expression
gene transfer, oxytocin, mice 2800
heat shock proteins, promoters, mice 2819
tumour suppression, spermatogenesis, transgenics, mice 5714
tyrosine kinase
receptors
binding proteins
mice 1311
mutations, mice 1306
genes, zinc finger, nucleotide sequences, mice 4139
heat shock proteins, gene transfer, transgenics, mice 2819
injection, plasmids, gene transfer, mice 6132
morphology, gene transfer, oxytocin, mice 2800
prohibitin, nucleotide sequences, rats 5029
proto-oncogenes, transcription factors, gene expression, mice 3534
repetitive DNA, proteins, gene expression, mice 4031
spermatogenesis
protein kinase
gene expression, mice 5192
nucleotide sequences, mice 5192
synaptonemal complex
gene expression, rats 3438
nucleotide sequences, rats 3438
transcription factors, nucleotide sequences, mice 830
Testosterone
ELISA, detection, cattle 4230
FSH, gene expression, pituitary, transgenics, mice 2228
immunization, female fertility, sheep 2154
sex reversal, fishes 3771, 6061
Tetanus, toxins, gene expression, spermatogenesis, transgenics, mice 582
Tetracycline, genetic transformation, *Nicotiana tabacum* 4397
Tetraploidy, embryonic stem cells, chimaeras, aggregation, techniques, mice 2604
Thalictrum minus
cell culture
alkaloids 1734
berberine 1734
Thalictrum tuberosum
cell culture
alkaloids 4480
(S)-reticuline 4480
Theileria, DNA probes, detection 4222
Theileria annulata, detection, polymerase chain reaction 3145
Theileria parva
DNA probes
detection
restriction fragment length polymorphism
Kobus ellipsiprymnus 6173
Synceros caffer 6173
gene mapping, reviews 3068
ribosomal DNA, nucleotide sequences 4222
Theileria sergenti
diagnosis, polymerase chain reaction 1504
membrane proteins, nucleotide sequences 3884
Theobroma cacao
cell culture
fatty acids 2100
plastids 2100
embryo culture
embryogenesis 6623
gamma radiation 6623
pollen 6623
genetic transformation, *Agrobacterium tumefaciens* 6151
in vitro culture, phenolic compounds 2281
induced mutations
embryogenesis 6623
gamma radiation 6623
pollen 6623
ovule culture, somatic embryogenesis 2624
restriction fragment length polymorphism
evolution 4720, 5902
ribosomal DNA 1438
tissue culture, somatic embryogenesis 1555, 2655
Theophylline
oocytes, *in vitro* fertilization, cattle 2134
spermatozoa, fertilizing ability, *in vitro,* cattle 2134
Therapy, cat diseases, reviews 9
Thinopyrum distichum, gene mapping 5264
Thiocolchicoside, cell culture, *Centella asiatica* 4481
Thioglucosidase
gene expression
Brassica napus 2456
Sinapis alba 1384, 4600
nucleotide sequences
Arabidopsis thaliana 2933
Brassica campestris 2955
Brassica napus 1286
Thiol protease
gene expression, *Arabidopsis thaliana* 5704
nucleotide sequences, *Arabidopsis thaliana* 5704
Thiols, embryos, *in vitro* development, cattle 5379
Thioltransferase, nucleotide sequences, *Oryza sativa* 6291
Thioneins
gene expression
Hordeum vulgare 5637
Nicotiana tabacum 5637
genetic engineering, *Hordeum vulgare* 5637
genetic transformation, *Nicotiana tabacum* 5637
nucleotide sequences, *Hordeum vulgare* 5637
Thionins, gene expression, *Hordeum vulgare* 3911
Thiophene, tissue culture, *Ambrosia trifida* 4466
Thioredoxin, nucleotide sequences, sheep 6230
Thiosulfate sulfurtransferase, gene mapping, mice 4679
Threonine, gene expression, *Nicotiana tabacum* 1920
Threonine dehydratase, gene expression, *Lycopersicon esculentum* 326
Threonine phosphatase, nucleotide sequences, *Arabidopsis thaliana* 3492
Thrombocytopaenia, anaemia, gene mapping, restriction fragment length polymorphism, mice 372
Thrombomodulin
gene expression, promoters, mice 3971
nucleotide sequences, promoters, mice 3971
promoters, endogenous viruses, insertion, strain differences, mice 657
Thrombopoietin, nucleotide sequences, mice 6236
Thromboxane-A synthase
gene expression, mice 4598
nucleotide sequences, mice 4598
Thuja occidentalis
embryo culture, somatic embryogenesis 6017
tissue culture
cytokinins 4834
growth regulators 4834
somatic embryogenesis 6017
techniques 4834
Thymidine kinase
gene therapy, retroviral vectors, neoplasms, liver, nucleosides, analogues, rats 561
genetic transformation, *Arabidopsis thaliana* 4391
herpes simplex virus
infertility, males, transgenics, mice 4967
spermatozoa, abnormalities, transgenics, mice 4967
mutations, nucleotide sequences, equine herpesvirus 58
varicella-zoster virus, gene expression, liver, transgenics, mice 1133
Thymidylate synthase
gene expression
cell lines, mice 1845
introns, mice 5156
introns, nucleotide sequences, mice 5156
Thymocytes, antigens, nucleotide sequences, mice 6227
Thymus
transcription factors, nucleotide sequences, mice 1769
viruses, enhancers, gene expression, mice 2343
Thymus gland, proto-oncogenes, targeted mutagenesis, mice 1746
Thymus vulgaris, restriction fragment length polymorphism, mitochondrial genetics 1971
Thyroid diseases, gene therapy, dogs 1666
Thyroid gland
abnormalities, major histocompatibility complex, gene expression, transgenics, mice 1692
cells, gene transfer, retroviral vectors, dogs 1666
peroxidases, gene expression, DNA binding proteins, rats 2980
T lymphocytes, receptors, mitotic recombination, mice 1858
Thyroid hormones
glycoproteins, hormones, promoters, transcription, targeted mutagenesis, cell lines 1318
myosins, transcription, activation, mice 2999
receptors
promoters, response elements, mice 5151
somatotropin, gene expression, rats 3536
targeted mutagenesis
mice 2871
rats 2871
synergism, receptors, gene expression, rats 5161
Thyroprotein, receptors, promoters, DNA binding proteins, c-AMP, response element, rats 2416
Thyrotroph embryonic factor, gene mapping, microsatellites, mice 1953
Thyrotropin
oocytes, cumulus oophorus, *in vitro,* mice 5410

Thyrotropin *cont.*
receptors
nucleotide sequences, mutations, hypothyroidism, mice 4494
targeted mutagenesis, gene expression, cell lines, mice 4494
Thyrotropin releasing hormone
carcasses, cattle 1602
fattening performance, cattle 1602
receptors, gene mapping, microsatellites, mice 1953
Thyroxine-binding globulin
proteolipid protein
gene mapping, sheep 4147
linkage, sheep 4147
Tickborne encephalitis virus, viral proteins, nucleotide sequences, sheep 3887
Tillering
in vitro selection, *Eleusine coracana* 6220
mutations, *Eleusine coracana* 6220
somaclonal variation, *Eleusine coracana* 6220
Tilletia indica
DNA hybridization, *Triticum aestivum* 4188
gene mapping, *Triticum aestivum* 4188
Tissue culture
abscisic acid
Dactylis glomerata 2616
Prunus avium 493
Acacia senegal 986
acetone
Allium cepa 505
Allium sativum 505
Brassica oleracea 505
Triticum aestivum 505
Actinidia deliciosa 4260
Actinidia kolomikta 4269
Aechmea fasciata 6034
Aegle marmelos 474, 6632
Agrobacterium rhizogenes
Hyoscyamus albus 2283
Malus pumila 6028
Tagetes erecta 2694
Agrobacterium tumefaciens
Linum usitatissimum 3865
Pisum sativum 4395
Vaccinium corymbosum 2652
alkaloids
Ceanothus americanus 4444
Datura fastuosa 2282
Datura stramonium 147
Duboisia leichhardtii 4464
Erythroxylum coca 2280
Eupatorium cannabinum 3700
Hyoscyamus albus 2283
Peganum harmala 4445
Rauvolfia serpentina 3386
Senecio vulgaris 3700
Stephania cepharantha 4484
alkannin, *Alkanna tuberculata* 4469
allicin, *Allium sativum* 5543
Allium cepa 1552
Allium porrum 1552
Allium sativum 6023
Allium tuberosum 6023
S-allyl-L-cysteine, *Allium sativum* 4473
Amelanchier arborea 3703
amino acids, *Zea mays* 6027
anatomy
Delphinium 2106
Quercus cerris 4285
Quercus robur 4285
Quercus rubra 4285
Annona cherimola 2631
Anoectochilus formosanus 2277
anthocyanins
Aralia cordata 4478
Catharanthus roseus 146
antibiotics
Dianthus 488
Malus pumila 6662
Arabidopsis thaliana 989
Armoracia rusticana 4266, 4298
aromatic-L-amino-acid decarboxylase, *Peganum harmala* 4445
artificial seeds 461
Apium graveolens 2628
Asparagus cooperi 5387
Carica papaya 1037

Tissue culture *cont.*
artificial seeds *cont.*
Daucus carota 4814
Zingiber officinale 4292
Artocarpus heterophyllus 2074, 2653
Arundinaria pygmaea 6633
Asparagus officinalis 459
automation, plants 3742
auxins, plants 2620
Averrhoa carambola 456
Bambusa multiplex 6633
Bambusa oldhami 6633
benzyladenine, *Raphanus sativus* 2077
Beta maritima 3754
Beta vulgaris 3754, 4845
bisbenzylisoquinoline, *Stephania cepharantha* 4484
books 2195
Boronia megastigma 6020
Brassica campestris 6616
Cajanus cajan 1542
calcium, *Daucus carota* 6018
calmodulin, *Daucus carota* 6018
Camellia japonica 1021
Camellia sinensis 1559, 3728
Camellia williamsii 2657
cannabinol, *Pinellia ternata* 4486
carbohydrates, *Actinidia deliciosa* 4827
carbon dioxide, *Vitis vinifera* 2089
cardenolides
Digitalis lanata 1190, 4483, 5541
Digitalis obscura 1733
Digitalis purpurea 1732
Carya 491
catalase, *Zea mays* 3204
Cephalotaxus harringtonia 4823
Chamaemelum nobile 467
chromatin, crops 4287
chromosome aberrations
Larix decidua 4874
Solanum tuberosum 6639
Cicer arietinum 1561
Citrullus lanatus 464
Citrus reticulata 6627
Citrus sinensis 1018, 6627
cocaine, *Erythroxylum coca* 2280
Cocos nucifera, India 2099
Coffea arabica 4264
cold resistance
Coffea arabica 477
Coffea canephora 477
Rubus 2180
Coleus blumei 2614
combining ability, *Zea mays* 6001
copper
Brassica napus 2651
Nicotiana tabacum 2651
triticale 2651
Triticum aestivum 2651
Corchorus capsularis 1004
Coriandrum sativum 1002
coumarins
Malus 478
Ruta graveolens 6041
Ruta pinnata 6041
cryopreservation
Asparagus officinalis 490
Citrus 6622
Citrus sinensis 1011
Cydonia oblonga 2618, 4247
Cydonia × *Pyrus* 1668
Cyphomandra betacea 2631
cytokinins
Paeonia suffruticosa 5983
Petunia 5978
Thuja occidentalis 4834
Datura candida 4452
Datura insignis 485
Dianthus caryophyllus 4276, 6613
Dianthus zeyheri 2083
digitoxin, *Digitalis lanata* 1190
Dioscorea alata 1001
Dioscorea bulbifera 1032
diterpenes, *Scoparia dulcis* 4455
DNA methylation, *Solanum tuberosum* 6630
Drosera spathulata 1543
ecdysterone, *Ajuga reptans* 5546
Elaeis guineensis, India 2099
Elettaria cardamomum, India 2099
Erica darleyensis 6656

Tissue culture *cont.*
essential oils, *Artemisia absinthium* 4463
N-ethyl-*N*-nitrosourea, *Solanum tuberosum* 6012
Eucalyptus grandis 4293, 6004
Eutrema wasabi 6009
Faidherbia albida 4246
fatty acids, *Pleurotus pulmonarius* 6203
flavanols, *Cornus kousa* 4459
flavonoids
Ceanothus americanus 4444
Crataegus monogyna 4462
flavour compounds, *Allium schoenoprasum* 6010
flowering, *Dendrobium candidum* 2658
flowers, *Dianthus* 3177
fluorescence, *Nicotiana tabacum* 6577
fluridone, *Solanum tuberosum* 6631
forest trees 4252
forskolin, *Coleus forskohlii* 4461
fragrance, *Pelargonium* 3392
fruit crops 2639
Fusarium oxysporum, Musa 6192
Fusarium oxysporum f.sp. *zingiberi, Zingiber officinale* 4292
Galtonia candicans 2087
Galtonia viridiflora 2087
gamma radiation
Nicotiana tabacum 480
Triticum aestivum 5999
Zea mays 6038
gene expression, *Brassica juncea* 4647
Gentiana kurroo 1025
geraniol, *Pelargonium* 3392
Gerbera jamesonii 3174
ginsenoside, *Panax pseudoginseng* 1736
β-glucuronidase, *Nicotiana tabacum* 6577
glutathione, *Catharanthus roseus* 146
Glycine max 3179, 5998
18β-glycyrrhetinic acid, *Panax pseudoginseng* 4443
Glycyrrhiza glabra 984
growth regulators
Raphanus sativus 2077
Thuja occidentalis 4834
habit, *Pelargonium* 3392
haploidy
Larix decidua 4874
Solanum tuberosum 6057
Helianthus annuus 4258
Helianthus tuberosus 2094
herbicide resistance, plants 3384
histology, *Pelargonium domesticum* 6658
homospermidine synthase
Eupatorium cannabinum 3700
Senecio vulgaris 3700
Hordeum vulgare 1539
horticulture 3301
humidity, *Pelargonium hortorum* 1575
Humulus lupulus 6022
hydroxyphenylamines, *Nicotiana tabacum* 1563
hyoscyamine
Datura 6204
Datura stramonium 147, 4456
IAA, *Prunus avium* 493
image processing, *Daucus carota* 2172
India 2097
inflorescences, *Allium cepa* 3730
intergeneric hybridization
Aegilops ventricosa 1568
Secale cereale 1568, 6008
triticale 6008
interspecific hybridization
Larix 6005
Larix decidua 2636
Larix leptolepis 2636
Solanum 6035
Iris pallida 3185
1′-isobutyryloxyeugenol-4-isobutyrate, *Coreopsis tinctoria* 4457
isoenzymes, *Ipomoea batatas* 5986
Juglans regia 4844
Karwinskia humboldtiana 5393
Kielmeyera coriacea 3170
lactones, *Arnica montana* 4467
Lapageria rosea 2646
Larix laricina 4842
leaves, *Caladium hortulanum* 2659
light, *Malus* 478
lignans, *Linum flavum* 1738

Tissue culture *cont.*
lignin, *Camellia sinensis* 3753, 6037
Lilium japonicum 6007
Lonicera japonica 3182
Lupinus 3206
Lycopersicon esculentum 3744-3745
malate dehydrogenase, *Cereus peruvianus* 1556
Malus prunifolia 4290
Malus pumila 1668, 2244, 4290, 6655
Meloidogyne incognita, Lycopersicon 471
micropropagation
Allium ascalonicum 4274
Allium sativum 4274
Cucumis sativus 3216
Doritaenopsis 3217
Fraxinus angustifolia 6641
Gardenia jasminoides 3181
ornamental plants 6718
Phalaenopsis 3217
plants 3742
Prunus armeniaca 1012
Verbena tenera 5389
Miscanthus sinensis 2643
mitochondrial genetics, *Triticum aestivum* 4251
monoterpenes, *Lavandula latifolia* 2274
Morus laevigata 475
Musa 470, 1553, 3715
napin, *Brassica napus* 2445
Nicotiana plumbaginifolia 487
Nicotiana tabacum 4261
nicotinamide, *Catharanthus roseus* 146
Nolina recurvata 499
nonionic surfactants
Arabidopsis thaliana 3726
Corchorus capsularis 3726
Solanum dulcamara 3726
Nymphaea 4283
1-octen-3-ol, *Pleurotus pulmonarius* 6203
Oncidium varicosum 3189
opines, *Hyoscyamus albus* 2283
Orchidaceae, books 2192
organogenesis
Allium sativum 3205
Armoracia rusticana 1023
Asparagus 2081
Carica papaya 2086
Catasetum fimbriatum 2080
Lycopersicon esculentum 2625
Malus 3191, 3220
Rhododendron 2108
ornamental woody plants 2639
Oryza sativa 1547, 1551, 1571, 2116, 6635
osmotic stress, *Lavandula latifolia* 2274
Otochilus alba 3720
ovules, *Vitis vinifera* 468
oxidoreductases, *Allium sativum* 4473
oxygen, *Picea abies* 4826
Paeonia suffruticosa 458, 5982
pathogenesis-related proteins, *Panax pseudoginseng* 6013
Paulownia fortunei 4838
peanut mottle potyvirus, *Arachis hypogaea* 465
peanut stripe potyvirus, *Arachis hypogaea* 465
Pelargonium hortorum 1575
peroxidase, *Daucus carota* 3750
peroxidases
Armoracia rusticana 4440
Phoenix dactylifera 4811
phenolic compounds, *Coreopsis tinctoria* 4457
phenyllactic acid, *Duboisia leichhardtii* 4464
Phoenix dactylifera 3199, 3694, 3701
phospholipase A_2, *Solanum tuberosum* 2632
phosphorus
Medicago sativa 6647
Rosa 5975
Phyllostachys aurea 6633
Phytophthora infestans, Solanum tuberosum 2632
Picea abies 2623, 3194
Pinellia ternata 2277
Pinus nigra 3208
Pinus pinea 4257
Pistacia 3737

Tissue culture *cont.*
Pisum sativum 1100, 3188, 3198, 3707
plant development, *Lycopersicon esculentum* 1017
plants 3710-3711, 3732, 3741
reviews 3214
Platycerium bifurcatum 3705
Platycodon grandiflorus 2277
polyamines
Corylus avellana 6019
Vitis 4830
Polymnia sonchifolia 2637, 5991
polyphenols, *Cornus kousa* 4459
polyploidy
Cucumis melo 2611
Larix decidua 4874
Populus nigra 3187, 4835
Populus trichocarpa 4835
protein-glutamine γ-glutamyltransferase, *Helianthus tuberosus* 5990
Prunus 3733
Prunus avium 2092
Prunus domestica 1668
Prunus dulcis 5384
Prunus laurocerasus 496
Prunus persica 476, 5989
Prunus serrulata 2660
Prunus tomentosa 2660
putrescine *N*-methyltransferase, *Datura stramonium* 4488
pyrethrins, *Tanacetum cinerariifolium* 4824
Pyrus communis 2619, 6655
Pyrus pyrifolia 1668
qinghaosu, *Artemisia annua* 3918
quinones
Alkanna tuberculata 4469
Lithospermum erythrorhizon 3395
regeneration
Adhatoda beddomei 3212
Aegle marmelos 999
Agropyron desertorum 6637
Albizia julibrissin 3209
Allium cepa 505
Allium sativum 505
Allium senescens 1016
Arabidopsis thaliana 6661
Arachis hypogaea 3708
Bambusa tulda 6651
Bambusa vulgaris 6651
Beta vulgaris 4268
Brassica napus 2651
Brassica oleracea 505, 996
Cajanus cajan 3708, 5386
Capsicum annuum 2088, 3180
Carica papaya 3186, 5394
Carthamus tinctorius 3201
Cicer arietinum 6614
Coix lacryma-jobi 3722
Commiphora wightii 4810
Cowania mexicana 4822
Cowania subintegra 4822
Cucumis melo 5391
Dendranthema grandiflora 6153
Dendrocalamus hamiltonii 6653
Dendrocalamus longispathus 6651
Dendrocalamus strictus 460
Gladiolus 5399
1,4-α-glucan branching enzyme, *Manihot esculenta* 6423
Gossypium hirsutum 5995
Haworthia 2104
Jatropha integerrima 4295
Larix decidua 4807
Lupinus luteus 990
Malus pumila 6662
Meconopsis paniculata 5400
Meconopsis simplicifolia 1026
Medicago polymorpha 2107
Nicotiana tabacum 2651
Oryza sativa 3718, 4253
Passiflora 4256
Pelargonium graveolens 6645
Pelargonium hortorum 2085
Petunia hybrida 982
Pisum sativum 4395
Prunus avium 4843
Robinia pseudoacacia 2612
Saintpaulia ionantha 4278
Sempervivum tectorum 4255
Sesbania 1039

Tissue culture *cont.*
regeneration *cont.*
Solanum tuberosum 6631
starch synthase, *Manihot esculenta* 6423
Tagetes mendocina 3699
Trifolium repens 5401
triticale 2651
Triticum aestivum 505, 2651, 3738, 4279, 6637
Vetiveria zizanioides 3734
Vigna radiata 6628
Zea mays 6027, 6038
regenerative ability
Medicago falcata 2627
Oryza sativa 1554
Saccharum officinarum 1560
Zea mays 6001
Rehmannia glutinosa 2277
restriction fragment length polymorphism, *Triticum aestivum* 4251
Rheum emodi 1006
Rhizobium meliloti, Medicago sativa 3933
ribonucleases, *Panax pseudoginseng* 6013
ribosomal DNA, *Lathyrus sativus* 3624
roots
Daucus carota 2647
Raphanus sativus 2078
Rosa 5975
Rosa 3717
Rubus 6002
Saccharum 1029
Saccharum officinarum 1007, 1574
salinity
Brassica 2177
Daucus carota 1612
Helianthus annuus 4284
Solanum tuberosum 544
Vaccinium corymbosum 2102
Salix caprea 4277
Salvia leacantha 472
scopolamine
Datura 4489, 6204
Datura fastuosa 2282
Datura stramonium 147
secondary metabolites, plants 3387
serotonin, *Peganum harmala* 4445
sesquiterpenes, *Ambrosia trifida* 4466
shikonin, *Lithospermum erythrorhizon* 3395
shoots, *Arabidopsis thaliana* 6661
sodium azide, *Solanum tuberosum* 6012
Solanum commersonii 987
Solanum malacoxylon 4294
Solanum muricatum 2631
Solanum tuberosum 1024, 3761, 4289, 6657
solavetivone, *Hyoscyamus muticus* 1191
somaclonal variation
Agropyron desertorum 6637
Polymnia sonchifolia 3192
Triticum aestivum 6637
Vitis vinifera 5554
somatic embryogenesis
Apium graveolens 2628
Arachis hypogaea 2114, 2622, 3173, 5383
Asparagus cooperi 5387
Asparagus officinalis 490, 3200
Bambusa glaucescens 6634
Cajanus cajan 5386
Camellia japonica 500
Carica papaya 4302
Chamaecyparis formosensis 6000
Cicer arietinum 1022, 6003
Cichorium 1545
Cichorium intybus 2112, 3702
Citrus 2113, 5994
Citrus sinensis 1011
Cocos nucifera 3218
Coffea arabica 3729, 4286
Coix lacryma-jobi 3722
Cucumis melo 2091
Cucurbitaceae 991
Cynara cardunculus 6011
Dactylis glomerata 2616, 2635, 6031
Daucus carota 2098, 2645, 2661, 4814, 4846, 6018
Dendranthema grandiflora 4949
Dianthus 488

Tissue culture *cont.*
somatic embryogenesis *cont.*
Digitalis lanata 1190
Elaeis 1028
Elaeis guineensis 4296
Exacum affine 2073
Gladiolus 5399
Glycine max 2954, 3172, 3175, 4297
Hevea brasiliensis 486, 3709
Ipomoea batatas 2656, 5986
Juglans cinerea 4836
Larix 6005
Lupinus albus 3207
Magnolia macrophylla 1015
Malus pumila 3739
Manihot esculenta 1672
Medicago sativa 481, 994-995, 4946
Mussaenda erythrophylla 2621
Nerium oleander 6649
Olea europaea 3314
Oryza sativa 4288
Otatea acuminata 6659
Panax pseudoginseng 4809
Panax quinquefolius 2640
Pelargonium domesticum 6658
Pelargonium hortorum 2626
Picea abies 2654, 4826
Pisum sativum 1020
plants 2620, 2629, 2641
reviews 4847
Quassia simarouba 6646
Quercus cerris 4285
Quercus robur 4285
Quercus rubra 4285
Quercus suber 1558
Robinia pseudoacacia 3171
Senecio hybridus 4272
Solanum 1544
Sorghum 5977
Stenotaphrum secundatum 3721
Theobroma cacao 1555, 2655
Thuja occidentalis 6017
Trifolium subterraneum 2095
Vitis 2090
Vitis vinifera 468, 6040
Zea mays 988, 6001, 6027
spice plants 3697
Spinacia oleracea 457, 3221
steroids
Ajuga reptans 3397
Digitalis purpurea 1732
Stevia rebaudiana 3781
stress, *Rosa* 4900
Subanguina picridis, Acroptilon repens 495
sugars
Hordeum vulgare 4291
Lactuca sativa 6036
Tamarix gallica 2642
tannins, *Cornus kousa* 4459
taxol
Taxus 2285
Taxus baccata 3388
Taxus brevifolia 3388
techniques
Carcia papaya 6030
Catharanthus roseus 3263
Coffea canephora 6015
Corchorus capsularis 3190
Daucus carota 2647
Nicotiana tabacum 6577
Pistacia vera 5976
plants 3743
Prunus avium 6640
Thuja occidentalis 4834
temperature
Arabidopsis thaliana 6661
Dactylis glomerata 6031
terpenoids
Arnica montana 4467
Artemisia absinthium 4463
Mentha piperita 3396
Salvia miltiorrhiza 3390
thiophene, *Ambrosia trifida* 4466
tomato spotted wilt tospovirus, *Arachis hypogaea* 465
Trachelospermum asiaticum 3695-3696
Trifolium repens 3222
Trillium erectum 3740
Trillium grandiflorum 3740
triterpenoids, *Panax pseudoginseng* 4443

Tissue culture *cont.*
triticale 3211
tropane, *Datura fastuosa* 2282
tropane alkaloids 4452
Datura 4489, 6204
Datura fastuosa 4453
Datura stramonium 4456
Hyoscyamus muticus 4993
Tsuga heterophylla 4818
tubers
Solanum 6035
Solanum tuberosum 6012, 6057, 6612
Ulmus 992
Ulmus minor 992
ultrastructure, *Panax quinquefolius* 2640
Vicia faba 3198
viruses, *Ipomoea batatas* 6039
vitrification, *Fragaria ananassa* 998
Weigela florida 492
Xanthomonas campestris, Prunus persica 2305
xanthones, *Hypericum patulum* 4458
Zea mays 4254, 5979, 6006
Zinnia elegans 2353
Tissue repair, oncogenes, gene expression, cell lines, transgenics, mice 3420
Tissues
DNA, purification, techniques 2558
frozen, DNA, extraction, techniques, dogs 3102
proteins, purification, techniques 2558
RNA, purification, techniques 2558
Tobacco etch potyvirus
gene expression, coat proteins, *Nicotiana tabacum* 2263
genetic engineering, coat proteins, *Nicotiana tabacum* 5533
genetic transformation, coat proteins, *Nicotiana tabacum* 2263
protoplasts
Capsicum annuum 4988
Capsicum chinense 4988
Tobacco mosaic satellite virus
X ray diffraction
coat proteins 115
RNA 115
Tobacco mosaic tobamovirus
cell culture, *Nicotiana tabacum* 1557
gene expression, *Nicotiana tabacum* 1331, 1557, 3891, 4005, 4021
genetic engineering
coat proteins, *Nicotiana tabacum* 2834
Nicotiana tabacum 2835
genetic transformation
antisense DNA, *Nicotiana tabacum* 2842
coat proteins, *Nicotiana tabacum* 124
movement proteins, *Nicotiana tabacum* 1717
Nicotiana tabacum 3891
replicase
Nicotiana benthamiana 2855
Nicotiana tabacum 2855
ribozymes, *Nicotiana tabacum* 2842
nucleotide sequences, *Nicotiana tabacum* 4008, 4021
promoters, *Nicotiana tabacum* 1331
protoplast fusion 577
protoplasts, *Nicotiana tabacum* 1557
random amplified polymorphic DNA
Lycopersicon esculentum 6521
Lycopersicon peruvianum 6521
α-Tocopherol
transport protein
gene expression, rats 5606
nucleotide sequences, rats 5606
Tomato aspermy cucumovirus, genetic transformation, disease resistance, *Nicotiana* 50
Tomato bushy stunt tombusvirus
gene expression, coat proteins 126
genetic engineering, coat proteins 126
Tomato golden mosaic bigeminivirus, genetic engineering, antisense DNA, *Nicotiana tabacum* 3355
Tomato spotted wilt tospovirus
ELISA
Ficus elastica 436
Ficus pumila 436
Orchidaceae 434

Tomato spotted wilt tospovirus *cont.*
gene expression, *Arachis hypogaea* 6199
genetic transformation, *Arachis hypogaea* 6199
immunological techniques, *Frankliniella occidentalis* 446
tissue culture, *Arachis hypogaea* 465
Tomato yellow leaf curl bigeminivirus
DNA probes, *Lycopersicon esculentum* 3674
gene mapping, *Lycopersicon esculentum* 5536
genetic transformation
coat proteins
Lycopersicon esculentum 6188
Lycopersicon pennellii 6188
restriction fragment length polymorphism, *Lycopersicon esculentum* 5536
Tongue
G proteins
receptors
gene expression, rats 757
nucleotide sequences, rats 757
taste papillae, G proteins, nucleotide sequences, cattle 4513
Tospoviruses
nucleotide sequences
nucleoproteins 1706
taxonomy 1706
Toxic substances
gene expression, *Triticum aestivum* 2721
genetic transformation, *Nicotiana tabacum* 3347
Toxicity, antisense DNA, transcription factors, gene therapy, mice 6202
Toxins
Bacillus thuringiensis subsp. *israelensis,* melanin, *Aedes aegypti,* protection 4894
biological control
Bacillus sphaericus, reviews 4345
Bacillus thuringiensis, reviews 4345
cloning, *Bacillus thuringiensis* var. *israelensis* 2692
diphtheria
gene expression
adipocytes
obesity, transgenics, mice 44
reproduction, transgenics, mice 44
macrophages, eyes, cells, mice 587
gene expression, *Bacillus sphaericus* 2692
gene transfer, brown fat, mice 3333
genes
cryptic, nucleotide sequences, *Bacillus thuringiensis* 3950
nomenclature, *Actinobacillus pleuropneumoniae* 65
molecular genetics, *Pseudomonas syringae* pv. *glycinea* 2591
nucleotide sequences
Actinobacillus pleuropneumoniae 1142
Bacillus thuringiensis 1296
plasmids, gene expression, *Bacillus thuringiensis* 4343
restriction analysis, *Bacillus thuringiensis* 4344
targeted mutagenesis, pathogenicity, *Aspergillus fumigatus* 2253
Toxoplasma gondii
ELISA, immunodiagnosis, goats 1469
restriction fragment length polymorphism 4425
Trachea
biolistics
gene transfer
fowls 2207
mice 2207
lysozyme
gene expression, cattle 2339
nucleotide sequences, cattle 2339
Trachelospermum asiaticum, tissue culture 3695-3696
Trade associations, biotechnology, Europe 4383
Tradescantia paludosa
gene expression, pollen 6321

Tradescantia paludosa *cont.*
nucleotide sequences, pollen 6321
Transcription (*see also* Gene expression)
acetyl-CoA carboxylase, promoters, DNA binding proteins, rats 5187
acetylcholine, receptors, promoters, DNA binding proteins, rats 5195
acid glycoproteins
glucocorticoids, rats 3526
interleukins, rats 3526
activation
DNA binding proteins, chromatin, structure, reviews 5243
metallothionein, promoters, mice 3008
myosins
retinoids, receptors, mice 2999
thyroid hormones, mice 2999
adenosine deaminase, promoters, mice 2382
Adenoviridae, DNA binding proteins, promoters, animals 5165
alcohol dehydrogenase, DNA binding proteins, somatotropin, rats 1862
atrial natriuretic factor, enhancers, cell lines, rats 1844
calcidiol-24 monooxygenase, vitamin D, binding elements, rats 5173
ceruloplasmin, promoters, DNA binding proteins, rats 3505
cholesterol 7α-monooxygenase
enhancers
bile acids, mice 4057
cholesterol, mice 4057
rats 4057
transgenics, liver, mice 4057
collagen, chondrocytes, fowls 836
cytochrome P450 aromatase
DNA binding proteins, rats 1310
promoters, c-AMP, cell lines 778
cytokines, receptors, liver, pregnancy, mice 5761
diazepam binding inhibitor, promoters, rats 5053
DNA binding proteins
enkephalins, promoters, spermatogenesis, transgenics, mice 1126
rats 5162
reviews 5245
RNA polymerase, reviews 5244
erythropoietin, receptors, silencers, mice 5766
fatty-acid synthase, insulin, cell lines 809
fatty acids
binding proteins
transgenics
cell lines 592
mice 592
α-fetoprotein
targeted mutagenesis, DNA binding proteins, rats 3504
enhancers, promoters, rats 838
flagella, *Bordetella bronchiseptica* 1139
gene expression, regulation, reviews 874
genes
c-AMP responsive element modulator, FSH, spermatogenesis, mice 779
homeo box, mice 2398
paired box, mice 2392
globins
promoters
chromatin
structure
cell lines 770
fowls 770
γ-glutamyltransferase, promoters, cell lines 5183
glycoproteins
enhancers, guineapigs 3989
hormones, promoters, thyroid hormones, targeted mutagenesis, cell lines 1318
promoters, guineapigs 3989
growth factors
DNA binding proteins, mice 1849
liver cells, rats 3972
heat shock proteins, cell lines 1762
hygromycin phosphotransferase, *Lycopersicon esculentum* 5838

Transcription *cont.*
immunoglobulins
enhancers
DNA methylation, B lymphocytes, mice 4047
lymphocytes, mice 6340
matrix associated regions, lymphocytes, mice 6340
mice 3520
induction
insulin, promoters, glucose, rats 3531
prostaglandin-endoperoxide synthase
platelet-activating factor, cell lines 6337
retinoic acid, cell lines 6337
proteins
gene expression, mice 5090
nucleotide sequences, mice 5090
inhibin
c-AMP, cell lines 811-812
Sertoli cells, c-AMP, rats 811-812
inhibition
DNA binding proteins, cell lines, mice 5168
embryonic stem cells, differentiation, mice 4931
genes, retina, development, quails 2411
transposable elements, antigens, Fas, mice 2995
initiation
insulin-like growth factor, sheep 3446
nucleotide sequences, cell lines 1761
initiation factors, rats 840
insulin
DNA binding proteins, rats 6345
proto-oncogenes, cell lines 1851
insulin-like growth factor
antisense DNA, mice 5754
receptors, promoters, platelet-derived growth factor, rats 5181
integrins, promoters, vitamin D, cell lines 2387
keratin, transgenics, mice 3524
kininogens, promoters, DNA binding proteins, interleukins, rats 2388
lactoferrin, oestrogens, receptors, DNA binding proteins, mice 3521
liver, transferrin, promoters, DNA binding proteins, transgenics, mice 5190
lungs, surfactants, promoters, cell lines 1199
lymphocytes, DNA binding proteins, mice 839
macrophages, colony stimulating factor, receptors, promoters, cell lines 2425
major histocompatibility complex
enhancers, cattle 3946
interferon, response element, cattle 3946
proto-oncogenes, cell lines 250
mitochondrial uncoupling protein
adipocytes, hamsters 243
cell lines 243
transgenics, mice 243
mucins, dogs 714
oncogenes, binding proteins, mice 795
parathyrin, receptors, mice 5062
phosphoenolpyruvate carboxykinase, glucocorticoids, binding proteins, cell lines 788
phospholipase C, promoters, rats 4584
progesterone
receptors
promoters
c-AMP, rats 4054
HCG, rats 4054
prostaglandin-endoperoxide synthase, gonadotropins, rats 825
protein kinase, cell lines, mice 5715
proteinase inhibitors, liver, mice 5756
proto-oncogenes
c-AMP, Sertoli cells, cell cultures, mice 819
DNA binding proteins, fowls 5155
FSH, Sertoli cells, cell cultures, mice 819
promoters, genes, sex determination, rats 5142

Transcription *cont.*
regulation
actin
enhancers, transgenics, fishes 590
promoters, transgenics, fishes 590
apolipoproteins
enhancers, transgenics, mice 594
promoters, transgenics, mice 594
blastokinin, prolactin, progesterone, rabbits 794
crystallins, eye lens, fowls 2403
enhancers, DNA binding proteins, mice 797
globins, transgenics, mice 2237
plasminogen activator, promoters, protein, binding elements, rats 5750
proto-oncogenes, cell division, cell lines 626
transcription factors, mice 816
transgenics, mice 2807
reporter genes
renin
promoters
c-AMP, cell lines, mice 4595
proto-oncogenes, cell lines, mice 4595
RNA, feline immunodeficiency virus 1158
RNA polymerase, promoters, proteins, activator 4574
silencers, genes, homeo box, mice 2397
sodium, transporters, rats 258
somatotropin
promoters, DNA binding proteins, fishes 2979
transgenics
cell lines 592
mice 592
sulfate, transporters, rats 258
syndecan, mice 5763
T lymphocytes
receptors
mice 3520
promoters, mice 5722
silencers, mice 5722
termination, bacteria, mitochondrial DNA, rats 3535
transforming growth factor, antisense DNA, uptake, cell lines, density 1760
transposable elements, *Lycopersicon esculentum* 5838
tyrosine aminotransferase
c-AMP, rats 5178
glucocorticoids, rats 5178
tyrosine kinase, receptors, pigs 255
tyrosine 3-monooxygenase, DNA binding proteins, rats 5738
Transcription factors
acid phosphatase, *Glycine max* 5839
adipocytes, differentiation, gene expression, cell lines, reviews 627
angiotensin, receptors, cell lines, rats 2408
antisense DNA
mortality, gene therapy, mice 6202
spleen, mice 2867
toxicity, gene therapy, mice 6202
c-AMP, response element, binding proteins, targeted mutagenesis, mice 6210
calcium, adenosinetriphosphatase, promoters, rabbits 829
cell adhesion molecule, cell lines 2418
crystallins, promoters, fowls 252
cytokines
receptors
liver, gene expression, rats 5184
mammary glands, gene expression, rats 5184
databases 751
DNA binding proteins
Glycine max 5820
heat shock, mice 2401
DNA probes, mice 3520
embryogenesis, *Glycine max* 5808
enhancers, gene expression, cell lines, mice 2410
gene expression
cell lines 2390

Transcription factors *cont.*
gene expression *cont.*
embryos, mice 253
fibroblasts, fowls 841
inhibitors, nucleotide sequences, cell lines, pigs 803
kidneys, cell lines 3461
Lycopersicon peruvianum 3269
mice 186, 814, 3002, 3006
nervous system, rats 813
Nicotiana tabacum 4654
pituitary, fishes 3010
plants 3543
skin
embryos
mice 758
rats 758
spermatogenesis, mice 830
transgenics, brain, mice 2816
Triticum aestivum 1362
gene mapping
mice 3052, 4150
restriction fragment length polymorphism, mice 368
sex linkage, mice 6464
genes
homeo box, mice 1867
zinc finger, nucleotide sequences, mice 5566
genetic transformation, *Nicotiana tabacum* 4654, 5833
globins, nucleotide sequences, mice 634
glycinin, *Glycine max* 5808
glycoproteins, gene expression, liver, rats 5744
heat shock
gene expression, fowls 5749
nucleotide sequences, fowls 5749
(*S*)-2-hydroxy-acid oxidase, *Cucurbita* 5703
immunoglobulins, enhancers, mice 1859
insulin, nucleotide sequences, pancreas, mice 5599
integrins, promoters, cell lines 2387
leghaemoglobin, *Glycine max* 5820
light, *Arabidopsis thaliana* 5831
lipoprotein lipase, gene expression, rats 1319
liver, promoters, gene expression, cell lines 807
metallothionein, nucleotide sequences, mice 3008
microphthalmia, insertional mutagenesis, gene expression, transgenics, mice 34
molecular genetics, *Arabidopsis thaliana* 5827
muscles
cells, targeted mutagenesis, mice, reviews 5000
restriction fragment length polymorphism, pigs 4669
reviews 773
myelin basic protein, gene expression, central nervous system, mice 5731
myogenesis, targeted mutagenesis, embryonic stem cells, mice, reviews 5004
myosins, promoters, gene expression, heart, fowls 5767
nervous system
gene expression, cell lines, mice 4586
promoters, gene expression, embryos, mice 4586
nopaline synthase, macrophages, mice 4999
nucleotide sequences
Arabidopsis thaliana 3477, 5119
fishes 1780, 3537
kidneys, rats 3461
Lycopersicon peruvianum 3269
mice 186, 704, 814, 3002, 3006, 5042
muscles, mice 2332
pituitary, fishes 3010
rats 697
sheep 3987
Solanum tuberosum 6264
Sorghum bicolor 4557
olfactory neuronal
gene expression, rats 5081

Transcription factors *cont.*
olfactory neuronal *cont.*
nucleotide sequences, rats 5081
ornithine carbamoyltransferase, promoters, fowls 793
ovalbumin
promoters
α-fetoprotein
activation, rats 4049
repression, rats 4049
gene expression, embryos, mice 5176
peroxisome proliferator responsive element, binding, fowls 5747
phosphate, *Glycine max* 5839
pituitary
restriction fragment length polymorphism, mice 1962
somatotropin, gene expression, rats 3536
plasmids, promoters, eukaryotes 5159
plasminogen activator, regulation, c-AMP, pigs 804
promoters
embryos, mice 4060
genes, housekeeping, cell lines 165
insulin-like growth factor, mice 768
Nicotiana tabacum 5833
nucleotide sequences, liver, rats 5158
plants 3543
proteins
prostate
androgens, rats 2396
glucocorticoids, rats 2396
proto-oncogenes
enhancers, mice 3529
gene expression
cell lines, mice 3534
testes, mice 3534
promoters, mice 3529
repression, gene expression, central nervous system, embryos, mice 4043
restriction fragment length polymorphism, breed differences, pigs 1966
ribosomal RNA, promoters, rats 782
RNA
alternative splicing
embryonic development, fishes 3537
mice 3002, 5042
prolactin, gene expression, rats 4575
somatotropin
gene expression, transgenics, mice 2230
promoters, gene expression, rats 5164
sucrose, *Glycine max* 5839
T lymphocytes, nucleotide sequences, mice 682
targeted mutagenesis
B lymphocytes, mice 613
embryonic stem cells, mice 1194
gene expression, mice 1194
muscles, books 5466
nervous system diseases, mice 1194
testes, nucleotide sequences, mice 830
thymus, nucleotide sequences, mice 1769
transcription, regulation, mice 816
tyrosine 3-monooxygenase, promoters, gene expression, repression, rats 4034

Transfection
blood coagulation factors, liver cells, glycoproteins, receptors, rats 3304
DNA, reporter genes, cells, mammals 2768
electroporation, temperature, cell lines 2769
genes, temperature sensitivity, germ cells, males, immortalization 6597
interleukins, Adenoviridae, liposomes, gene expression, cell lines, rats 3845
plasmids, liposomes, peptides, cell lines 2762
RNA, liposomes, cell lines, mammals, techniques 4924
simian virus 40, germ cells, males, immortalization 6597

Transfection *cont.*
somatotropin
fibroblasts, encapsulation, gene therapy, mice 3308
gene expression, cell lines 628
receptors, gene expression, vaccinia virus, cell lines 5016
Transfer proteins, cholesteryl esters, transgenics, mice 2233
Transfer RNA (*see also* RNA)
antibodies, *Solanum tuberosum* 2947
chloroplast genetics
Helianthus annuus 1794, 6255
Phaseolus vulgaris 6252
Pinus thunbergii 6320
plants, reviews 1355
Quercus petraea 4537
Quercus robur 4537
cloning, *Solanum tuberosum* 2947
evolution 5848
gene expression 746
Cucumis sativus 5828
Solanum tuberosum 5825
mitochondria, nucleotide sequences, cattle 2924
mitochondrial genetics 746
Helianthus annuus 1794, 6255
Oenothera berteriana 2348, 5772
plants, reviews 1355
Solanum tuberosum 215, 5825-5826
molecular genetics, plants, reviews 1355
nucleotide sequences 746
databases 754
deer 650
Helianthus annuus 1794, 6255
Nicotiana rustica 5700
Nicotiana tabacum 235
Oenothera berteriana 2348, 5772
Phaseolus vulgaris 6252
Pinus thunbergii 6320
Quercus petraea 4537
Quercus robur 4537
Solanum tuberosum 215
polymerase chain reaction
Helianthus annuus 6255
Nicotiana rustica 5700
ribozymes 5848
RNA editing, *Oenothera berteriana* 5772
Transferrin
Adenoviridae, gene transfer, lungs, rats 5472
embryos, *in vitro* development, cattle 5374
nucleotide sequences
Blaberus discoidalis 1215
horses 3937
polymorphism 5021
promoters
DNA binding proteins, transcription, liver, transgenics, mice 5190
gene expression
brain, transgenics, mice 4050
liver, transgenics, mice 4050
receptors, gene transfer, techniques, cell lines 566
Transformation
antigens, simian virus 40, cells, specificity, mice 2239
oncogenes, gene expression, cell lines, transgenics, mice 3420
Transforming growth factor
embryos, *in vitro* development, cattle 4787
gene expression
adipose tissue, development, transgenics, mice 3334
body fat, transgenics, mice 3334
body weight, transgenics, mice 3334
major histocompatibility complex, mice 3513
muscle weight, transgenics, mice 3334
pigs 5191
spermatogenesis, rats 810
gene mapping
restriction fragment length polymorphism
mice 5257
pigs 5859
mammary glands, neoplasms, transgenics, animal models, reviews 5495

Transforming growth factor *cont.*
nucleotide sequences
mice 5257
pigs 5191
oocytes
in vitro maturation
cattle 6671
pigs 2131
receptors
gene expression, rats 1788
nucleotide sequences, rats 1788
targeted mutagenesis
embryonic stem cells, immunological diseases, mice, reviews 3403
major histocompatibility complex, mice 3513
maternal effects, mice 6213
transcription, antisense DNA, uptake, cell lines, density 1760
Transgenics (*see also* Gene transfer; Genetic transformation)
abnormalities, asymmetry, insertional mutagenesis, mice 1135
actin
enhancers, transcription, regulation, fishes 590
promoters
gene expression, embryos, mice 2235
transcription, regulation, fishes 590
albumins
gene expression, mammary glands, mice 4963
secretion, prediction, milk, mammary glands, mice 4962
amyloid, gene expression, mice 4410
angiotensinogen, gene expression, blood pressure, mice 583
animals, planning, organization of research, European Communities 4921
antitrypsin, gene expression, mammary glands, sheep, reviews 3330
Apocheima cinerarius, Populus nigra 3378
apolipoproteins
enhancers, transcription, regulation, mice 594
gene expression
atherosclerosis, mice 6161
enhancers, liver, mice 3871
intestines, mice 5193
mice 38
reviews 4061
promoters, liver, mice 3871
promoters, transcription, regulation, mice 594
RNA editing, mice 2222
autoantibodies, autoimmune diseases, mice 4412
biosafety
fishes, conferences 5454
foods, livestock 3275
blood coagulation factors, gene expression, sheep 1694
books 3290
breeding programmes
genetic improvement, livestock, reviews 2802
mice 2803
brown fat, deficiency, obesity, mice 3333
cadmium, toxicity, metallothionein, gene expression, mice 158
cholesterol 7α-monooxygenase, transcription, liver, mice 4057
cholesteryl esters, transfer proteins, mice 2233
collagen
mutations, skeleton, abnormalities, mice 1693
promoters
gene expression
cell lines, mice 5740
skull
c-AMP, mice 37
parathyrin, mice 37
creatine kinase, gene expression, muscles, rats 5764
cyclins, gene expression, mammary hyperplasia, mice 6167
Transgenics *cont.*
cytokeratin, gene expression, epithelia, mice 580
desmin, gene expression, muscles, mice 2808
detection
blastocyst, polymerase chain reaction, cattle 962
embryos, polymerase chain reaction, cattle 962
DNA
integration, chromosomes, genome analysis, mice 1127
microinjection
embryonic development, cattle 3693
embryos, cattle 2068
egg proteins, lysozyme, immune tolerance, self tolerance, T lymphocytes, mice 3339
enkephalins
gene expression, DNA binding proteins, brain, mice 4405
promoters, transcription, DNA binding proteins, spermatogenesis, mice 1126
environmental impact
fishes, reviews 3275
livestock, reviews 3275
ethics, public opinion, animal production 5455
N-ethyl-*N*-nitrosourea, gene expression, mutations, testes, mice 5505
fatty acids
binding proteins
promoters, gene expression, mice 5758
transcription
cell lines 592
mice 592
α-fetoprotein, gene expression, mice 2820
fibroblast growth factors, receptors, gene expression, epidermis, mice 597
fishes, bibliographies 2241
food conversion, livestock 2166
food safety, fishes, conferences 5454
foods
biosafety
fishes 4362
livestock
reviews 3274
USA 3273
FSH, gene expression, pituitary, testosterone, mice 2228
β-galactosidase, gene expression, fishes 564
gastrin, gene expression, neoplasms, liver, mice 39
gene expression
DNA methylation, mice 2234
homeo box
enhancers, brain, mice 2810
mice 584
luciferase, fishes 2764
mice, reviews 2391
tumour suppression, spermatogenesis, testes, mice 5714
gene transfer
antisense DNA, major histocompatibility complex, B lymphocytes, mice 5497
globins, mutations, mice 5494
management, mice 4406
pancreas, cellulase, gene expression, mice 2804
T lymphocytes, receptors, diabetes, mice 2227
genes
activation, embryos, retinoic acid, mice 31
amplification
polymerase chain reaction
pigs 47
rabbits 47
sheep 47
excision repair, gene expression, mice 2917
homeo box
embryonic development, mice, reviews 4051
Transgenics *cont.*
genes *cont.*
homeo box *cont.*
gene expression, mice 2981
globins
gene expression
Drosophila 770
mice 43, 2224
promoters, gene expression, mice 4972
transcription, regulation, mice 2237
glucocorticoids
energy metabolism, mice 4969
receptors
antisense DNA
energy balance, mice 4969
lipid metabolism, mice 4969
glucose
metabolism, somatotropin, mice 2240
transporters
gene expression
diabetes, mice 41
glycolysis, muscles, mice 5506
metabolism, glucose, mice 5501
mice 2231
glucose-6-phosphate dehydrogenase, gene expression, mice 46
glycoproteins, T lymphocytes, gene expression, mice 3516
H-Y antigen, receptors, T lymphocytes, mice 1134
H^+/K^+-exchanging ATPase, gastritis, mice 4403
haemoglobin
disease resistance, malaria, mice 2817
gene transfer, vectors, pigs 3337
genes, microinjection, pigs 3337
promoters, gene expression, pigs 3337
hair, abnormalities, insertional mutagenesis, mice 3874
heat shock proteins, gene transfer, testes, mice 2819
histocompatibility antigens, T lymphocytes, antigen recognition, mice 4416
human immunodeficiency virus
gene expression, brain, pathology, mice 1695
immunological deficiency, mice 2809
hydroxymethylglutaryl-CoA reductase, promoters, reporter genes, gene expression, mice 3527
hyperlipoproteinaemia, animal models, mice 38
identification, techniques, mice, polymerase chain reaction 2557
immunization, *Streptococcus pneumoniae,* mice 4411
immunoglobulins
anti-DNA antibodies, B lymphocytes, anergy, mice 3878
class switching, lymphocyte antigens, mice 2806
gene expression, mice, reviews 30, 3872
mitotic recombination, mice 2394
secretion, cell lines 2881
somatic mutations
gene expression, mice 588
mice 3328
immunological diseases, interleukins, mice 591
in vitro development, fowls 2232
infertility, males, herpes simplex virus, thymidine kinase, mice 4967
insulin
growth, mice, reviews 5513
mortality, mice, reviews 5513
insulin-like growth factor
genes, imprinting, mice 1129
growth, mice, reviews 5513
mortality, mice, reviews 5513
interleukins
gene expression
bones, mice 2229
effects, nervous system, mice 3323

Transgenics *cont.*
involucrin
gene expression
epidermis, mice 1132
hair follicles, mice 1132
promoters
gene expression
hair, mice 3325
skin, mice 3325
keratin
gene expression
disruption, epidermis, mice 597
tissue specificity, mice 5503
promoters, gene expression, mice 2386
reporter genes, gene expression, embryos, mice 4414
transcription, mice 3524
lactoferrin
genetic engineering, cattle, reviews 5499
milk, cattle 3814
lipoprotein lipase, gene expression, lipid metabolism, mice 5509
lipoproteins
atherosclerosis, animal models, reviews 5508
metabolism, gene expression, mice, reviews 5137
livestock, pharmaceutical proteins, milk, reviews 2813
luciferase, gene expression, fishes 564
Lymantria dispar, Populus nigra 3378
lymphocytes, clonal selection, mice, reviews 824
lysozyme, milk, cattle 3814
major histocompatibility complex
gene expression
lungs, mice 33
mice 2814
thyroid gland, abnormalities, mice 1692
gene transfer, mice 2238
immune response, mice 4415
mice, reviews 5550
T lymphocytes, receptors, diabetes, gene expression, mice 42
metalloproteinases, gene expression, proto-oncogenes, mice 5144
metallothionein, gene expression, regulation, mice 5751
methylated-DNA-protein-cysteine *S*-methyltransferase, gene expression, carcinoma, liver, carcinogens, exposure, mice 40
mice, antisense RNA, hepatitis virus, gene transfer, disease resistance 3353
microphthalmia
insertional mutagenesis, transcription factors, gene expression, mice 34
nucleotide sequences, mice 5496
milk proteins
gene expression, reviews 1222
genetic engineering, livestock, reviews 4975
promoters, gene expression, rats 5504
mitochondrial uncoupling protein, transcription, mice 243
molecular genetics
laboratory mammals, reviews 2801
livestock, reviews 2801
mouse mammary tumour virus
gene expression, mice 5500
transmission, T lymphocytes, receptors, mice 586
mutations, frequency, reporter genes, techniques, mice 3664
myogenin
gene expression, mice 598
promoters
gene expression
embryos, mice 2988
muscles, denervation, mice 5139
myosins
gene expression, enhancers, binding proteins, mice 579
promoters, muscles, mice 3332

Transgenics *cont.*
neurofilaments
promoters
gene expression
brain, mice 3336
eye lens, mice 3336
muscles, mice 3336
proteins
gene expression
central nervous system, mice 5492
nervous system diseases, mice 1690, 2242
nutrition, research, animals, reviews 5511
oncogenes
animal models, mice, reviews 5512
gene expression
coat, abnormalities, mice 589
growth, cell lines, mice 3420
mammary hyperplasia, mice 6167
skin, abnormalities, mice 589
tissue repair, cell lines, mice 3420
transformation, cell lines, mice 3420
promoters, surfactant protein, cell lines, mice 2313
protein-tyrosine kinase, neoplasms, mammary glands, mice 3329
ornithine decarboxylase, gene expression, mice 35, 585
osteocalcin, promoters, gene expression, vitamin D, mice 36
patents 3279
pharmaceutical proteins
gene expression, milk, livestock, reviews 4968
gene transfer, mammary glands, livestock, reviews 2813
genetic engineering, cattle, reviews 5499
livestock
books 5466
reviews 6162
mice, reviews 6162
milk
livestock, reviews 4966
mice, reviews 4966
polymerase chain reaction, DNA, integration, detection, techniques 3109
primordial germ cells, gene transfer, retroviral vectors, fowls 1696
prion protein
gene expression, mice 2832
scrapie
infection, mice 5493
mice 3873
prions, gene expression, scrapie, mice 593
probasin, promoters, reporter genes, gene expression, prostate, mice 4407
proto-oncogenes
animal models, mice, reviews 5512
erythrocytes, mice 5742
gene expression
brain, cells, death, mice 45
mutations, kidney diseases, mice 6166
skeletal development, abnormalities, mice 599
targeted mutagenesis, erythrocytes, mice 5742
release, animals, reviews 6157
renin
gene expression, blood pressure, mice 583
promoters, gene expression, mice 3338
reporter genes
gene expression, mice 3332
gene transfer, embryos, mice 2234
spleen necrosis virus, long terminal repeats, gene expression, mice 6131
research, time, livestock 3272
retina, photoreceptors, ablation, mice 3408
Retroviridae, animal models, mice, reviews 5512
somatic mutations, immunoglobulins, mice 595

Transgenics *cont.*
somatotropin
antisense DNA, growth, rats 1130
body weight, mice 2803
choriomammotropin, pituitary, mice 6705
FSH, *in vitro* release, mice 4973
gene expression
body weight, mice 3780
hormones, effects, mice 3780
metallothionein, promoters, mice 3780
pituitary, cells, effects, mice 3780
rats 5504
gonadotropins, secretion, mice 1689
LH, *in vitro* release, mice 4973
milk, lactation, mammary glands, goats 6158
ovaries, follicles, size, pigs 2676
production, fibroblasts, transplantation, mice 3308
prolactin, pituitary, mice 6705
transcription
cell lines 592
mice 592
transcription factors, gene expression, mice 2230
spermatozoa, abnormalities, herpes simplex virus, thymidine kinase, mice 4967
spermidine synthase, gene expression, mice 35
steroidogenesis, targeted mutagenesis, mice 3924
superoxide dismutase
gene expression
mammary glands, mice 4408
mice 2812
surfactants, gene expression, lungs, mice 2421
synapsins, gene expression, photoreceptors, mice 6160
T lymphocytes
clonal selection, major histocompatibility complex, mice 2399
receptors
allelic exclusion, protein-tyrosine kinase, mice 3321
mice 2294, 4409
selection, major histocompatibility complex, gene expression, mice 1128
temperate fruits, reviews 1699
tetanus, toxins, gene expression, spermatogenesis, mice 582
toxins
diphtheria
gene expression
adipocytes
obesity, mice 44
reproduction, mice 44
transcription, regulation, mice 2807
transcription factors, gene expression, brain, mice 2816
transferrin
promoters
DNA binding proteins, transcription, liver, mice 5190
gene expression
brain, mice 4050
liver, mice 4050
transforming growth factor
gene expression
adipose tissue, development, mice 3334
body fat, mice 3334
body weight, mice 3334
muscle weight, mice 3334
mammary glands, neoplasms, animal models, reviews 5495
tumour necrosis factor, joint diseases, animal models 5498
varicella-zoster virus, thymidine kinase, gene expression, liver, mice 1133
vasopressin, gene expression, mice 2225
wool production, sheep, reviews 2818
X chromosome, inactivation, reporter genes, mice 3005

Translation
gene expression, regulation, books 6755

Translation *cont.*
NADH dehydrogenase (ubiquinone), *Solanum tuberosum* 6381
Translocation
gene expression, *Solanum tuberosum* 2371, 4641
nucleotide sequences, *Solanum tuberosum* 2371
Transmission
genetic transformation
plum pox potyvirus, *Nicotiana benthamiana* 116
zucchini yellow mosaic potyvirus, *Nicotiana benthamiana* 116
Transplantation
cells, gene therapy, haemophilia, mice 1665
ovaries, activity, mice 6595
Transport, fuels, ethanol production, biomass, USA 4898
Transporters, antigens, processing, restriction fragment length polymorphism, pigs 3621, 4693
Transposable elements
antigens, Fas, gene expression, mice 5140
colour, *Antirrhinum majus* 2457
detection, polymerase chain reaction, insects 1684
dihydrokaempferol 4-reductase, *Pharbitis nil* 4715
DNA binding proteins, *Nicotiana tabacum* 1243
DNA methylation
Nicotiana tabacum 1376
Zea mays 5841
DNA repair, plants 1375
flowers
Antirrhinum majus 2457
Pharbitis nil 4715
gene conversion, *Zea mays* 5223
gene expression
Arabidopsis thaliana 1323, 1996, 5196, 6558
Lactuca sativa 2487
Lycopersicon esculentum 2822
Nicotiana tabacum 1376, 2447, 4640
Petunia hybrida 2453, 6386
Zea mays 2447, 2453, 2487, 3020, 4995-4998, 5232, 5841
gene mapping
cereals 3083
Linum usitatissimum 605
Lycopersicon esculentum 1981
Nicotiana tabacum 1242
plants 1258, 5878
techniques, cattle 914
Zea mays 3081
gene tagging
Antirrhinum majus 1968
Arabidopsis thaliana 1996, 4198, 5905, 6558
Datura fastuosa 6552
Lycopersicon esculentum 4191, 5899, 6516
Lycopersicon pennellii 4191
Petunia hybrida 6420
Zea mays 1181, 6536
gene transfer, bacteria, intestines, mammals, reviews 565
genetic engineering
Petunia hybrida 6386
Zea mays 1242, 1996, 2447, 2458, 2487, 2822, 3020, 4995-4996, 4998, 6386
genetic transformation
Arabidopsis thaliana 1323, 1996, 2458, 6558
Datura fastuosa 6552
Lactuca sativa 2487
Lycopersicon esculentum 1981, 2822, 5899
Nicotiana plumbaginifolia 5806
Nicotiana tabacum 1242, 2447, 4995-4996, 4998, 5841
Oryza sativa 4991
Petunia hybrida 2453
plants 1258
Populus alba 3858
Populus grandidentata 3858
height, *Zea mays* 5932
Transposable elements *cont.*
insertional mutagenesis, *Arabidopsis thaliana* 5905
molecular genetics 5676
Nicotiana plumbaginifolia 5806
Nicotiana tabacum 280
Oryza 2968
Oryza sativa 2968
Zea mays 280, 1327, 2257, 3013, 4997, 5223
naringenin-chalcone synthase, *Antirrhinum majus* 2457
nucleotide sequences
Caenorhabditis elegans 1174
Chironomus riparius 1205
Culex pipiens 1200
Gossypium 2965
mammals 702
Nicotiana plumbaginifolia 1266, 2368
Nicotiana tabacum 1243, 1285
Oryza 2968
Oryza sativa 2968, 6368
plants 5878, 6309
Zea mays 5651, 6322
Petunia 3020
polymerase chain reaction
Lycopersicon esculentum 4191
Lycopersicon pennellii 4191
plants 1261
promoters, *Zea mays* 2447, 5232, 5841, 6386
restriction fragment length polymorphism
Linum usitatissimum 605
Lycopersicon esculentum 1981
RNA, alternative splicing, *Lycopersicon esculentum* 5838
selectable markers
Lycopersicon esculentum 6553
Nicotiana tabacum 6553
spectinomycin adenyltransferase
Lycopersicon esculentum 6553
Nicotiana tabacum 6553
streptomycin
Lycopersicon esculentum 6553
Nicotiana tabacum 6553
transcription
inhibition, antigens, Fas, mice 2995
Lycopersicon esculentum 5838
vectors, *Lycopersicon esculentum* 2822
Zea mays 287, 5909
reviews 3566
Transposase, gene expression, *Arabidopsis thaliana* 5196
Triacylglycerol lipase
gene expression
dogs 780
pancreas, rabbits 3437
gene mapping
DNA hybridization, pigs 906
fluorescence microscopy, pigs 6463
nucleotide sequences
dogs 780
pancreas, rabbits 3437
pancreas, nucleotide sequences, guineapigs 6225
Tricarboxylate transport protein, nucleotide sequences, mitochondria, rats 5588
Trichinella, ELISA, detection, pigs 2574
Trichinella spiralis, recombinant vaccines, immunization, mice 4979
Trichoderma, genetic transformation, plant diseases 537
Trichoderma longibrachiatum
gene expression, cellobiohydrolase II 2315
nucleotide sequences, cellobiohydrolase II 2315
promoters, cellobiohydrolase II 2315
Trichoderma viride, molecular genetics, *Nicotiana tabacum* 4549
Trichohyalin
gene expression, sheep 776
nucleotide sequences, sheep 776
1,1,1-Trifluoroheptane-2-ol
biotransformation, *Nicotiana tabacum* 2857
cell culture, *Nicotiana tabacum* 2857
1,1,1-Trifluoroheptane-2-one
biotransformation, *Nicotiana tabacum* 2857
cell culture, *Nicotiana tabacum* 2857
Trifolium pratense
DNA fingerprinting 3092
protoplasts, regenerative ability 5398
somaclonal variation 3092
Trifolium repens
genetic transformation, *Agrobacterium tumefaciens* 4955
nucleotide sequences
β-glucosidase 5653
linamarase 5653
tissue culture 3222
regeneration 5401
Trifolium subterraneum
gene expression
nutritive value 4976
proteins 4976
genetic transformation
Agrobacterium tumefaciens 6146
nutritive value 4976
proteins 4976
tissue culture, somatic embryogenesis 2095
Trihydroxystilbene synthase
gene expression, *Nicotiana tabacum* 3364
genetic engineering, *Vitis vinifera* 3364
genetic transformation, *Nicotiana tabacum* 3364
Triiodothyronine
response elements, somatotropin, promoters, rats 5143
somatotropin, promoters, regulation, rats 2989
Trillium erectum, tissue culture 3740
Trillium grandiflorum, tissue culture 3740
Triose-phosphate isomerase
nucleotide sequences
Arabidopsis thaliana 5690
Oryza sativa 233
Schistosoma mansoni 79
Triose-phosphate translocator
chloroplast genetics
Flaveria pringlei 2940
Flaveria trinervia 2940
Zea mays 2940
gene expression
Flaveria pringlei 2940
Flaveria trinervia 2940
Nicotiana tabacum 4011
Solanum tuberosum 6385
Zea mays 2940
genetic transformation, *Solanum tuberosum* 6385
nucleotide sequences
Flaveria pringlei 2940
Flaveria trinervia 2940
Nicotiana tabacum 4011
Zea mays 2940
Triploidy
growth, somatotropin, fishes 1603
induction
body weight, fishes 1593
cold shock
body weight, fishes 4859
gonads, development, fishes 4859
cytochalasin B
body weight, mollusca 4311
mortality, mollusca 4311
heat shock, fishes 1593
pressure
fishes 1593
ova, fishes 5426
sexual maturity, fishes 1593
Triterpenoids
biotransformation, *Panax pseudoginseng* 4443
cell culture
Citrullus lanatus 4447
Iris pallida 4468
tissue culture, *Panax pseudoginseng* 4443
Triticale
anther culture 1586, 2136
chromosome aberrations 1586
DNA hybridization, repetitive DNA 1913
embryo culture 3211, 4265
intergeneric hybridization 6008
somatic embryogenesis 473
gametoclonal variation, prolamins 1754
gene expression
cytoplasmic inheritance 5817
heat shock proteins 6425
gene mapping 5266

Triticale *cont.*
genetic markers, secalins 4722
genetic transformation, protoplasts 5489
in vitro selection
Gibberella zeae 1718
pathogenesis-related proteins 1718
vomitoxin 1718
mitochondrial genetics, cytoplasmic inheritance 5817
polymerase chain reaction, secalins 4722
somaclonal variation 625
tissue culture 3211
copper 2651
intergeneric hybridization 6008
regeneration 2651
Triticeae
DNA hybridization 6572
flow cytometry 6572
gene mapping 4713, 5304
molecular genetics 4713
nucleotide sequences
evolution 4714
ribosomal DNA 4714
Triticum
anther culture
interspecific hybridization 6681
regenerative ability 6681
somatic embryogenesis 3183, 3195, 6681
DNA amplification, repetitive DNA 5295
DNA hybridization
chromosome addition 6439
intergeneric hybridization 6439
ribosomal DNA 5924
DNA replication, DNA polymerase 2428
gene expression, cytoplasmic inheritance 5817
gene mapping, polymerase chain reaction 4190
mitochondrial genetics
apocytochrome *b* 872
cytoplasmic inheritance 5817
nucleotide sequences, apocytochrome *b* 872
polymerase chain reaction, repetitive DNA 5295
random amplified polymorphic DNA 4161
restriction fragment length polymorphism 1447
genomes 1448
mitochondrial genetics 1998
RNA editing, apocytochrome *b* 872
Triticum aestivum
anther culture 518, 1586, 2142, 3760
carbohydrates 513, 6686-6687
chromosome substitution 1066
chromosome translocation 2139
colchicine 6687, 6689
Erysiphe graminis 1066
haploidy 3738, 3757, 6053
maltose 494
ploidy 6689
regeneration 1065, 2139, 6686
somatic embryogenesis 513, 515, 4840, 6686-6687
techniques 2144
antibodies
chromosome translocation 957
secalins 957
biological control, *Gaeumannomyces graminis* 538
cell culture 2638, 3223
repetitive DNA 164
ribosomal DNA 164
chloroplast genetics
light 6433
photosystem II 6433
chromosome aberrations 1586
cloning
cold resistance 5675
flowering, genetics, flowering 1351
DNA binding proteins, ribosomal DNA 844
DNA fingerprinting 5305
DNA footprinting, glutenins 295, 4086
DNA hybridization 1986, 2545
chlorophyll *a/b* binding protein 6546
phosphoenolpyruvate carboxylase 6546
phytochrome 6546
Triticum aestivum *cont.*
DNA hybridization *cont.*
ribosomal DNA 5924
ribulose-bisphosphate carboxylase 6546
Tilletia indica 4188
DNA replication, DNA primase 6400
ELISA, soil-borne wheat mosaic furovirus 433
embryo culture 1565, 4265
intergeneric hybridization 6021
regeneration 5390
gene expression 2785, 4608, 4947
abscisic acid 2356
adenosylhomocysteinase 6714
aluminium 2721, 6714
chlorophyll *a/b* binding protein 4658
cold resistance 1245, 5675
cysteine synthase 2179
elongation factors 4649
flowering, genetics, flowering 1351
gliadin 541
glucose-1-phosphate adenylyltransferase 1238
glutenins 295, 541, 4086
growth regulators 2356
heat shock 541, 543
heat shock proteins 1838, 6425, 6714
histones 1362, 1368, 5228, 6714
light 1245, 6433
meiosis 4542
mitochondria 1893
NADH dehydrogenase (ubiquinone) 1893
nucleolus organizer 2444
photosystem II 6433
plant embryos 2356
puroindolines 5104
ribosomal DNA 2444, 3029
salinity 1886
seeds 543
toxic substances 2721
transcription factors 1362
trypsin inhibitors 1883
gene mapping 926, 2538, 4163, 4165, 4713, 5263-5264, 5266, 5276, 5278-5279, 5281-5282, 5289, 5293, 5297, 5307-5308
abscisic acid 4701
chlorophyll *a/b* binding protein 6546
databases 5262
gliadin 4727
glucose-1-phosphate adenylyltransferase 1238
mitochondria 2015
phosphoenolpyruvate carboxylase 6546
phytochrome 6546
Puccinia 5288
repetitive DNA 4700
restriction fragment length polymorphism 1977, 4733
ribulose-bisphosphate carboxylase 6546
Tilletia indica 4188
genetic engineering 4608, 5297
cysteine synthase 2179
histones 1368
quality, reviews 4421
genetic markers
Puccinia recondita 4989
secalins 4722
genetic transformation 1677, 2783, 2785, 4947
Agrobacterium tumefaciens 6195
bilanafos 1118
DNA methylation 3852
flowers 6147
glufosinate 3316
inflorescences 6147
phosphinothricin acetyltransferase 1118, 2772, 3316
protoplasts 576
selectable markers 5481
techniques 568, 576, 1118, 4945, 6147
trypsin inhibitors 1883
virulence 6195
genomes 4719
haploidy
carbohydrates 6687
Triticum aestivum *cont.*
haploidy *cont.*
colchicine 6687
somatic embryogenesis 6687
HPLC, glutenins 1440
in vitro culture 3215
in vitro selection
deoxynivalenol 2872
Fusarium culmorum 2872
Gibberella zeae 2872
mitochondrial genetics
cytoplasmic male sterility 5817
interspecific hybridization 5817
NADH dehydrogenase 5774
NADH dehydrogenase (ubiquinone) 5625
repetitive DNA 4088
ribosomes 5774
molecular genetics 2545, 4713
DNA primase 6400
heterosis 1873
nucleolus organizer 2444
quality, reviews 4421
ribosomal DNA 2444, 3029, 5211
nucleotide sequences
abscisic acid 2356
acetyl-CoA carboxylase 3476
cold resistance 1245
cytochrome *c* 210
glucose-1-phosphate adenylyltransferase 1238
glutenins 232
growth regulators 2356
heat shock proteins 1838, 2958
hydroxymethylglutaryl-CoA reductase 202
initiation factors 3489
light 1245
meiosis 4542
mitochondrial genetics 1248
NADH dehydrogenase (ubiquinone) 5625
plant embryos 2356
puroindolines 5104
repetitive DNA 4700
ribosomal DNA 1248
ribosomes 210
ovule culture 518, 1565
haploidy 6682
polymerase chain reaction
glutenins 5887
secalins 4722
techniques 2020
promoters 2785, 4608
gliadin 541
glutenins 295, 541
heat shock 541
histones 1368
selectable markers 5481
trypsin inhibitors 1883
random amplified polymorphic DNA 1986, 3087, 5289, 5298, 5316
chromosome translocation 398
Puccinia recondita 4989
recombination
gliadin 4727
repetitive DNA 4088
restriction analysis, cold resistance 5675
restriction fragment length polymorphism 4163, 4165, 4719, 5281, 5287, 5289, 5305
chlorophyll *a/b* binding protein 6546
chloroplast genetics 4728
Erysiphe graminis 1980
gliadin 397
glutenins 397, 1440, 5887
height 3649
intergeneric hybridization 5260
mitochondrial genetics 4728
phosphoenolpyruvate carboxylase 6546
phytochrome 6546
Puccinia recondita 4989
ribulose-bisphosphate carboxylase 6546
sprouting 5261
variety classification 397
RNA editing
adenosinetriphosphatase 5769
cytochrome *c* 210
cytoplasmic male sterility 5769

Triticum aestivum *cont.*
RNA editing *cont.*
NADH dehydrogenase 5774
NADH dehydrogenase (ubiquinone) 5625
ribosomes 210, 5774
RNA probes, soil-borne wheat mosaic furovirus 433
SDS-PAGE, glutenins 1440
somaclonal variation
enzymes 161
esterases 161
mitochondrial genetics 4088, 4251
regeneration 5553
repetitive DNA 164
restriction fragment length polymorphism 4251
ribosomal DNA 164
somatic embryogenesis 6218
yield components 6218
tissue culture
acetone 505
copper 2651
gamma radiation 5999
mitochondrial genetics 4251
regeneration 505, 2651, 3738, 4279, 6637
restriction fragment length polymorphism 4251
somaclonal variation 6637
Triticum dicoccoides
anther culture, somatic embryogenesis 3183
polymerase chain reaction
gliadin 4726
glutenins 4726
random amplified polymorphic DNA 5298
restriction fragment length polymorphism
gliadin 4726
glutenins 4726
Triticum durum
anther culture 3760
cell culture 3223
DNA hybridization, chromosome pairing 1901
gene mapping
gliadin 3645
glutenins 3645
genetic transformation, techniques 4388
polymerase chain reaction, glutenins 405
random amplified polymorphic DNA 5298
restriction fragment length polymorphism
chloroplast genetics 4728
mitochondrial genetics 4728
somaclonal variation
enzymes 161
esterases 161
Triticum spelta, *in vitro* culture 3215
Triticum timopheevii
cell culture 3225
mitochondrial genetics
cytoplasmic male sterility 5817
interspecific hybridization 5817
protoplasts 3225
Triticum turgidum, anther culture, somatic embryogenesis 5415
Tropane, tissue culture, *Datura fastuosa* 2282
Tropane alkaloids
in vitro culture, *Hyoscyamus albus* 3393
tissue culture 4452
Datura 4489, 6204
Datura fastuosa 4453
Datura stramonium 4456
Hyoscyamus muticus 4993
Trophoblast
choriomammotropin, promoters, gene expression, cell lines 822
in vitro development, laminins, mice 5372
Tropinone reductase
gene expression, *Datura stramonium* 5670
nucleotide sequences, *Datura stramonium* 5670
Tropinone reductases, nucleotide sequences, *Hyoscyamus niger* 4551
Tropoelastin, gene mapping, rats 4136
Tropomyosins
exons, splicing, gene expression, muscles, rats 6342
gene expression
embryonic stem cells, mice 2409
embryos, mice 2409
RNA
alternative splicing
fibroblasts, rats 5730
muscles, cells, rats 5730
Troponin
exons, splicing, element, fowls 2424
nucleotide sequences
rabbits 1302
rats 1302
RNA
alternative splicing
rabbits 1302
rats 1302
Tryosine decarboxylase, nucleotide sequences, *Petroselinum crispum* 4544
Trypanosoma brucei
cyclins, nucleotide sequences, mitosis 4977
genes
developmental stages
gene expression 78
nucleotide sequences 78
RNA editing 1157
variant surface glycoproteins, promoters, gene expression 1148
Trypanosoma cruzi
ELISA
detection 4771
immune response, dogs 4223
nucleotide sequences 53
Trypanosomatidae, DNA, isolation techniques 73
Trypsin
embryos, *in vitro* development, cattle 5971
nucleotide sequences, *Aedes aegypti* 1216
Trypsin inhibitors
gene expression
Acacia confusa 1810
Hordeum vulgare 1883
Nicotiana tabacum 1883
Triticum aestivum 1883
genetic engineering, *Hordeum vulgare* 1883
genetic transformation
Hordeum vulgare 1883
Nicotiana tabacum 1883, 2838
Triticum aestivum 1883
nucleotide sequences, *Acacia confusa* 1810
promoters
Hordeum vulgare 1883
Nicotiana tabacum 1883
Triticum aestivum 1883
Tryptamine, cell culture, *Catharanthus roseus* 4471
Tryptophan
gene expression, *Arabidopsis thaliana* 862
mutations, *Arabidopsis thaliana* 862
nucleotide sequences, *Arabidopsis thaliana* 862
Tryptophan synthase
gene expression, *Arabidopsis thaliana* 864
genetic transformation, *Arabidopsis thaliana* 864
Tryptophan-tRNA ligase, gene mapping, DNA probes, cattle 892
Tsuga heterophylla
in vitro culture 4818
tissue culture 4818
Tubers
antibodies, *Solanum tuberosum* 4643
gene expression, *Solanum tuberosum* 4643, 6359
molecular genetics, *Solanum tuberosum* 4629
tissue culture
Solanum 6035
Solanum tuberosum 6012, 6057, 6612
Tubulin
cell culture, *Daucus carota* 3719, 3735
gene expression
Glycine max 4116
Tubulin *cont.*
gene expression *cont.*
Nicotiana tabacum 4116
Zea mays 1829, 2354
genetic engineering, *Glycine max* 4116
genetic transformation, *Nicotiana tabacum* 1919, 4116
nucleotide sequences
Babesia bovis 57
Zea mays 1829, 2354
promoters, *Zea mays* 1919
Tubulin-tyrosine ligase, nucleotide sequences, pigs 655
α-Tubulin, pseudogenes, gene mapping, rats 3592
β-Tubulin
gene expression
Arabidopsis thaliana 1611
Avena sativa 4072, 4628
Zea mays 3500
genetic transformation, *Arabidopsis thaliana* 1611
molecular genetics, *Avena sativa* 4072
nucleotide sequences, *Zea mays* 3500
restriction fragment length polymorphism, drug resistance, *Haemonchus contortus* 4424
γ-Tubulin
molecular genetics, *Arabidopsis thaliana* 4013
nucleotide sequences, *Arabidopsis thaliana* 4013
Tumour necrosis factor
gene expression, cell lines 261
gene mapping
restriction fragment length polymorphism
mice 4149
rats 3061
immunological diseases, mutations, antigens, mice 4149
inhibitor, gene transfer, Adenoviridae, vectors, mice 2209
joint diseases, transgenics, animal models 5498
major histocompatibility complex, gene expression, induction, mice 796
microsatellites, pigs 5861
mutations, nucleotide sequences, mice 789
nucleotide sequences
pigs 261
restriction fragment length polymorphism, mice 5568
receptors, targeted mutagenesis, *Listeria monocytogenes,* susceptibility, mice 2869
Turkey, biotechnology, organization of research 2198
Turkey herpesvirus
gene mapping 86
nucleotide sequences 86
Turkeys
angiotensin
receptors
gene expression 1764
nucleotide sequences 1764
ELISA, diagnosis, avian influenzavirus 1486-1487
metallothionein, DNA, nucleotide sequences 1786
prolactin, production, *Escherichia coli* 2273
Turnip yellow mosaic tymovirus
gene expression 130
nucleotide sequences 130
Twinning
embryo transfer, cattle 4795
embryos, splitting, embryo transfer, sheep 4803
sex chromosomes, chimaeras, detection, polymerase chain reaction, cattle 5334
Tyrosine aminotransferase
gene expression
glucocorticoids, cell lines, rats 4037
insulin, cell lines, rats 4037
transcription
c-AMP, rats 5178
glucocorticoids, rats 5178

Tyrosine kinase
gene expression, fowls 1316
nucleotide sequences, fowls 1316
receptors
binding proteins
gene expression
ovaries, mice 1311
testes, mice 1311
mutations
gene expression
ovaries, mice 1306
Sertoli cells, germ cells, binding, mice 1312
testes, mice 1306
gene expression
embryos, mice 1863
fowls 1226
mice 255
gene mapping, restriction fragment length polymorphism, mice 1863
haematopoiesis
gene expression, mice 5050
nucleotide sequences, mice 5050
ligands, nucleotide sequences, mice 2330
nucleotide sequences
cattle 1863
fowls 1226
mice 1863
proto-oncogenes, mast cells, mice, reviews 2393
transcription, pigs 255
Tyrosine 3-monooxygenase
promoters
gene expression, proto-oncogenes, nerve growth factor, rats 4579
transcription factors, gene expression, repression, rats 4034
transcription, DNA binding proteins, rats 5738
Ubiquitin
gene expression
Arabidopsis thaliana 6269
Nicotiana sylvestris 6269
Oryza sativa 1330
Picea abies 4606
Zea mays 5663, 5776
gene mapping, *Zea mays* 5906
genetic engineering
Solanum tuberosum 3478
Zea mays 1118, 1885
genetic transformation, *Oryza sativa* 1330
nucleotide sequences
Arabidopsis thaliana 4567, 6269
cattle 715
Glycine max 5707
Solanum tuberosum 3478
Zea mays 5663
promoters
Solanum tuberosum 3478
Zea mays 1118, 1885
Ubiquitin carrier protein, nucleotide sequences, *Medicago sativa* 738
Ubiquitin conjugating enzyme
nucleotide sequences
Arabidopsis thaliana 1241
Lycopersicon esculentum 4556
Ubiquitin-like protein, nucleotide sequences, mice 5055
UDP-*N*-acetylglucosamine-dolichyl-phosphate *N*-acetyl-glucosaminephosphotransferase, promoters, nucleotide sequences, mice 5177
Uganda, embryo transfer, breeds, indigenous, recipients, cattle 4779
UK
AFRC Institute of Plant Science Research and John Innes Institute, reports 3843, 3889-3890, 3892, 3896, 3901, 3907, 3995, 4069, 4077, 4086, 4094, 4160, 4163, 4169, 4183, 4198, 4207, 4337, 4352, 4363
animal welfare, genetic engineering, veterinary medicine, reports 5456
biotechnology, research support 3837
conferences, Mammalian genetics and development workshop 1636
UK *cont.*
ethics
genetic engineering
animals, veterinary medicine, reports 5456
foods, reports 3820
livestock, reports 3820
foods, labelling, genetic engineering 5458
genetic engineering
biosafety 1088, 1629, 3798
foods, legislation, reviews 5457
legislation 3798
regulations 1088, 1629
release 1088, 3798
How to patent life, conferences 5451
Ulmus, tissue culture 992
Ulmus campestris, cell culture, *Ceratocystis ulmi* 2840
Ulmus minor, tissue culture 992
Ulmus pumila, cell culture, *Ceratocystis ulmi* 2840
Ultrasonics
embryos, number, sheep 528
ovaries
follicles
aspiration, oocytes, recovery, cattle 6669
oocytes, aspiration, cattle 3234
pregnancy diagnosis
goats 1594
sheep 522, 528
sex diagnosis, fetus, horses 2600
Ultrastructure, tissue culture, *Panax quinquefolius* 2640
Ultraviolet radiation
androgenesis, induction, fishes 6059
gynogenesis, induction, mollusca 6043
immunological techniques, *Zea mays* 5962
in vitro selection, *Beta vulgaris* 2875
molecular genetics, *Zea mays* 6426
mutations, *Arabidopsis thaliana* 4205
oocytes, ultrastructure, cattle 4310
Petunia 4599
spermatozoa, haploidy, fishes 4312
Umbelliferone:*O*-dimethylallyl transferase, cell culture, *Ammi majus* 4450
Uncoupling protein, promoters, gene expression, brown fat, mice 3333
Uracil-DNA glycosylase, gene expression, crops 2430
Urea, transporters, cloning, rabbits 2926
β-Ureidoproprionase, nucleotide sequences, rats 676
Uridine monophosphate synthase
deficiency diseases, detection, embryos, polymerase chain reaction, cattle 5961
gene mapping
DNA hybridization, cattle 3071
fluorescence, DNA hybridization, cattle 3055
nucleotide sequences, cattle 695
Urine, ELISA, detection, bovine leukosis 1475
Uromyces appendiculatus
genetic transformation 310
random amplified polymorphic DNA, *Phaseolus vulgaris* 6182
Uroplakin
gene mapping
cell fusion, cattle 3616
restriction fragment length polymorphism, mice 3616
restriction fragment length polymorphism, cattle 4689, 5604-5605
USA
Louisiana, dairy factories, waste water treatment, biological filtration 4348
animal wastes, composting 2716
biotechnology 6120, 6719
biosafety 1084
companies 3299, 6720
legislation 3283
patents 3283, 6730
regulations 1084
conferences, American Society of Animal Science, Western Section 3249
economics, companies, research policy 2182
USA *cont.*
ELISA, detection, mycotoxins, cereals 4777
ethanol production, biomass, transport, fuels 4898
foods, biosafety, transgenics, livestock 3273
genetic engineering
biosafety 1629, 1633, 6731
foods 6727
Lycopersicon esculentum 6727
companies 4382
legislation 1633
regulations 1629, 6731
foods 6727
Lycopersicon esculentum 6727
release 1633, 6731
foods 6727
Lycopersicon esculentum 6727
Rhizobium 4382
milk, labelling, somatotropin, legislation 6106-6107
Molecular Parasitology, conferences 6172
nucleotide sequences
legislation 3283
patents 3283
somatotropin
milk 4890
utilization, cattle 6706
Ustilago segetum
genetic transformation, mating types 1161
nucleotide sequences, mating types 1161
Ustilago zeae
genetic transformation, mating types 1161
molecular genetics, pathogenicity 89
nucleotide sequences
mating types 1161
siderophores 1177
viruses 128
polymerase chain reaction, siderophores 1177
Uteroferrin, promoters, progesterone, response elements, rabbits 5743
Uterus
embryo transfer, *in vitro* development, horses 2070
epithelium, cells, embryos, *in vitro* development, rats 4796
prostaglandins, embryos, quality, cattle 5973
relaxin, gene expression, sheep 1224
tissues, embryos, *in vitro* development, horses 2070
UTP-glucose-1-phosphate uridylyltransferase
gene expression, *Solanum tuberosum* 355
genetic transformation, *Solanum tuberosum* 355
UTP-hexose-1-phosphate uridylyltransferase, nucleotide sequences, rats 667
Utrophin
gene mapping, restriction fragment length polymorphism, mice 1770
nucleotide sequences, mice 1770
Vaccines (*see also* Recombinant vaccines)
fishes, reviews 607
subunit, poultry 3385
technical progress, coccidiosis, reviews 145
Vaccinia virus
somatotropin, receptors, transfection, gene expression, cell lines 5016
vectors, interleukins, gene transfer, immune response, mice 4934
Vaccinium
flow cytometry
DNA 2023
polyploidy 2023
Vaccinium ashei, random amplified polymorphic DNA 1970
Vaccinium corymbosum
genetic transformation, *Agrobacterium tumefaciens* 2652
in vitro culture, cryopreservation 3747
tissue culture
Agrobacterium tumefaciens 2652
salinity 2102
Vaccinium darrowii, gene mapping, random amplified polymorphic DNA 4185

Vaccinium elliottii, gene mapping, random amplified polymorphic DNA 4185
Vagina, mucus, electrical resistance, oestrus, detection, cattle 1073
Vancouveria hexandra
cell culture
flavonols 4491
glycosides 4491
Variant surface glycoproteins, promoters, gene expression, *Trypanosoma brucei* 1148
Varicella-zoster virus, thymidine kinase, gene expression, liver, transgenics, mice 1133
Variegation
DNA methylation, *Zea mays* 5785-5787
gene expression, *Zea mays* 5787
mutations, *Zea mays* 5785
Variety classification 1995, 2001
Dendranthema grandiflora 2013
DNA fingerprinting
Oryza 6548
Oryza sativa 6548
polymerase chain reaction
Brassica 6545
cereals 6537
Gossypium herbaceum 5889
Gossypium hirsutum 5889
Lycopersicon 5889
random amplified polymorphic DNA
Avena sterilis 3085
Brassica napus 3091
Glycine max 6518
Glycine soja 6518
Gossypium herbaceum 5889
Gossypium hirsutum 5889
Ipomoea batatas 6519
Lycopersicon 5889, 6549
Lycopersicon esculentum 6549
Populus 4702
Populus grandidentata 4724
Populus tremuloides 4724
Rosa 2010
Rubus idaeus 5301, 6529
Secale cereale 6534
Solanum tuberosum 2543
Vetiveria zizanioides 5900
Vitis 1979
Vitis vinifera 1984
restriction fragment length polymorphism
Brassica 6545
Glycine max 6518
Glycine soja 6518
Oryza 6548
Oryza sativa 6548
Populus grandidentata 4724
Populus tremuloides 4724
Triticum aestivum 397
Vitis 1979
Vitis vinifera 3080, 3627
techniques 6564
Vasopressin
gene expression, transgenics, mice 2225
gene transfer, mice 2225
Vasotocin, nucleotide sequences, fishes 1403
Vectors (*see also* Bacteriophages; Cosmids; Plasmids; Retroviral vectors)
Adenoviridae
blood coagulation factors, gene transfer, liver cells, gene therapy, mice 2206
gene therapy, liver cells, mice 4937
gene transfer
liver cells, mice 4937
muscles, cells, rats 2208
myocardium, rats 2208
targeted mutagenesis, mutations, correction 5551
Agrobacterium tumefaciens, Lycopersicon 6185
bacteriophages
DNA libraries, construction 3317
recombinant DNA, electroporation 4386
Baculoviridae 5475
gene expression, insects, cells 2771
carotenoids, marker genes, cloning 5335
cloning, gene expression, antisense DNA, selectable markers, cell lines 4741
dihydrofolate reductase, gene transfer, *Aedes albopictus,* cell lines 2831
Vectors *cont.*
DNA libraries, construction, Retroviridae, mice, cells 3668
enhancers, gene expression, cell lines, mammals 3309
gene expression
cell lines 563
embryonic stem cells, interferon, development, mice 4936
plants 1682, 3856
polyadenylation, signals, mammals 4928
Zea mays 6150
gene transfer
Adenoviridae
DNA methylation, insertional mutagenesis, reviews 4385
tumour necrosis factor, inhibitor, mice 2209
lungs, rats 5472
gene trap, embryonic stem cells, techniques 2203
genetic transformation
plants 1682, 3856, 6142
Zea mays 6150
β-glucuronidase, insertional mutagenesis, *Escherichia coli* 5490
growth factors, neurons, cell lines, mammals 2760
haemoglobin, gene transfer, transgenics, pigs 3337
Herpesviridae, gene transfer, nervous system, reviews 2564
maize streak monogeminivirus, *Zea mays* 3131
phosphoglycerate kinase, promoters, cells, mammals 2761
Picornaviridae, embryonic stem cells, targeted mutagenesis, marker genes, mice 4931
plasmids
deletions, production, DNA sequencing 944
gene transfer, cell lines, mammals 1103
targeted mutagenesis, adenine phosphoribosyltransferase, cell lines, hamsters 5552
promoters
Adenoviridae, gene expression, enhancement, cell lines 2770
Herpesviridae, gene expression, cell lines, mammals 5013
recombinant vaccines, poultry 3385
reporter genes, *Lycopersicon esculentum* 2822
Retroviridae
gene therapy, bone marrow cells, mice 5479
reporter genes
cell lines 5477
gene expression, embryos, fowls 5471
shuttle, recombination, detection, cells, mice 4925
subcellular targeting, mammals 4926
targeted mutagenesis
cells, mammals, techniques 2247
embryonic stem cells, mice 5548
gene transfer, embryonic stem cells, mice 159
techniques
Lycopersicon esculentum 2822
plants 1110
transposable elements, *Lycopersicon esculentum* 2822
vaccinia virus, interleukins, gene transfer, immune response, mice 4934
Vegetative storage proteins
gene expression, *Glycine max* 5202
genetic transformation, *Nicotiana tabacum* 5202
promoters, *Glycine max* 5202
Verbena tenera, tissue culture, micropropagation 5389
Vernalization
gene mapping, *Arabidopsis thaliana* 2542
restriction fragment length polymorphism, *Arabidopsis thaliana* 2542
Vertebrates
development, regulation, gene expression 2986
exons, trapping, polymerase chain reaction 1457
genes
homeo box
embryonic development, molecular genetics, reviews 1313
nomenclature 696
sex determination, identification, polymerase chain reaction 2986
linkage, conservation, genomes, reviews 4140
microsatellites, polymerase chain reaction, species differences, evolution 5330
satellite DNA, DNA fingerprinting, species differences 3067
Verticillium
genetic engineering, *Pisum sativum* 4982
genetic transformation, *Solanum tuberosum* 4982
Vesicular gland
proteins
gene expression, mice 5087
nucleotide sequences, mice 5087
seminalplasmin, nucleotide sequences, cattle 3961
Vesicular stomatitis virus
detection, polymerase chain reaction 3151
ELISA
detection
cattle 3137
horses 3137
pigs 3137
sheep 3137
proteins, retroviral vectors, construction 12
Veterinary medicine
animal welfare, genetic engineering, reports, UK 5456
ethics, genetic engineering, animals, reports, UK 5456
Vetiveria zizanioides
random amplified polymorphic DNA, variety classification 5900
tissue culture, regeneration 3734
Vicia
chloroplast genetics, evolution 5918
nucleotide sequences, repetitive DNA 2953
restriction fragment length polymorphism, evolution 5918
Vicia faba
antibodies, legumin 315
chloroplast genetics, evolution 5918
chromosome morphology, techniques 1462
cloning, nodulation 327
DNA isolation, techniques 1462
embryo culture 482
gene expression
albumins 2245
cyclophilin 5664
heat shock 5664
legumin 315
light 308, 5664
nodulation 327
nodulins 3484
sucrose synthase 1896, 3484
genetic transformation, albumins 2245
molecular genetics
cytoplasmic male sterility 3254
legumin 306
monoclonal antibodies
cytoplasmic male sterility 5356
viruses 5356
nucleotide sequences
cyclophilin 5664
G proteins 5681
heat shock 5664
legumin 5647
light 5664
nodulins 3484-3485
proteins 1256
sucrose synthase 3484
polymerase chain reaction
chromosomes 4755
legumin 4184

Vicia faba cont.
polymerase chain reaction *cont.*
techniques 4755
restriction fragment length polymorphism, evolution 5918
tissue culture 3198
Vicia narbonensis
embryo culture 482
gene expression, albumins 2245
genetic transformation, albumins 2245
Vicia pisiformis
random amplified polymorphic DNA, ribosomal DNA 6530
restriction fragment length polymorphism, ribosomal DNA 6530
Vicia sativa
gene expression, nodulation 730
nucleotide sequences, repetitive DNA 2953
Vicilin
gene expression
Picea engelmannii 4080
Picea glauca 4080
Vigna, restriction fragment length polymorphism, linkage 6513
Vigna aconitifolia
nucleotide sequences
5-aminoimidazole ribonucleotide carboxylase 3423
5-aminoimidazole-4-*N*-succinocarboxamide ribonucleotide synthetase 3423
nodulation 3423
Vigna angularis
gene expression
chitinase 5655
ethylene 5655
wounding 5655
nucleotide sequences
chitinase 5655
ethylene 5655
wounding 5655
protoplasts, regeneration 1567
Vigna mungo, nucleotide sequences, α-amylase 4568
Vigna radiata
gene expression
auxins 6440
calmodulin 5097
late embryogenesis abundant proteins 6440
stearoyl-CoA desaturase 6440
gene mapping 392
in vitro selection
hydroxyproline 3929
mannitol 624
salinity 624, 3929
stress 624
nucleotide sequences
calmodulin 5097
catalase 217
cinnamate 4-hydroxylase 1274
restriction fragment length polymorphism 392, 934
Erysiphe polygoni 4437
tissue culture, regeneration 6628
Vigna unguiculata
gene expression
lipid transfer proteins 6281
Rhizobium 6281
gene mapping 392
genetic transformation, techniques 23
nucleotide sequences
Callosobruchus maculatus 1254
cysteine proteinase inhibitor 1254
ferritin 4573
lipid transfer proteins 6281
Rhizobium 6281
polymerase chain reaction, ferritin 4573
restriction fragment length polymorphism 392
Vimentin
promoters, eye lens, fowls 3001
silencers
DNA binding proteins, fowls 3512
gene expression, fowls 3512
nucleotide sequences, fowls 3512
Viral proteins
detection, ELISA, bovine oncovirus 1488
gene mapping, African swine fever virus 1140
Viral proteins *cont.*
nucleotide sequences
African swine fever virus 1140
Omsk haemorrhagic fever virus, mice 3881
tickborne encephalitis virus, sheep 3887
Virulence
gene expression, *Fulvia fulva* 4433
genetic transformation
plants 5530
Secale cereale 6195
Triticum aestivum 6195
Zea mays 6195
mutations, *Fulvia fulva* 4433
nucleotide sequences
Fulvia fulva 4433
Xanthomonas campestris pv. *vesicatoria, Lycopersicon esculentum* 93
Viruses
disease resistance
cytokines, targeted mutagenesis, mice, reviews 2860
immunoglobulins, targeted mutagenesis, mice, reviews 2860
DNA probes, mushrooms 443
enhancers, gene expression, thymus, mice 2343
fruit crops, genetic engineering, coat proteins 3899
gene expression 286
plants 1682, 4626
Solanum tuberosum, reviews 6432
gene mapping, *Solanum tuberosum,* reviews 6432
gene transfer, release 1626
genetic engineering
antisense DNA, *Nicotiana tabacum* 3355
coat proteins, crops 3910
plants 4626
release 1626
genetic transformation
biosafety, plants 606, 3804, 6728
coat proteins
plants 90, 606, 3376, 6728
Saccharum officinarum 3358
Vitis vinifera 1708
crops 2839
Nicotiana benthamiana 4986
Nicotiana occidentalis 4986
plants 1682, 2270, 4910
recombination, plants 3804, 6728
satellite RNA, plants 606
Vitis rupestris 4986
Vitis vinifera 4986
immune response, interferon, receptors, targeted mutagenesis, mice 6214
molecular genetics
movement proteins
plants 6198
reviews 6198
monoclonal antibodies, *Vicia faba* 5356
nucleotide sequences, *Ustilago zeae* 128
polymerase chain reaction, primers, selection, computer software 4742
promoters 286
replication, interferon, regulatory factor, targeted mutagenesis, mice 6212
serological relationships, *Zea mays* 2590
tissue culture, *Ipomoea batatas* 6039
Visna maedi virus, diagnostic techniques, polymerase chain reaction 412
Vitamin D
binding elements, calcidiol-24 monooxygenase, transcription, rats 5173
calbindin, gene expression, teeth, rats 761
integrins, promoters, transcription, cell lines 2387
osteocalcin, promoters, gene expression, transgenics, mice 36
receptors, promoters, binding elements, intestines, fowls 4578
Vitamins, embryos, *in vitro* development, cattle 4308
Vitis
DNA
extraction 6574
Vitis *cont.*
DNA *cont.*
techniques 6574
genetic transformation, somatic embryogenesis 14
in vitro culture, ethylene 3714
in vitro selection
chlorosis 2174
cold resistance 5011
molecular genetics, repetitive DNA 2009
nucleotide sequences
repetitive DNA 6584
techniques 6584
random amplified polymorphic DNA
techniques 1975
variety classification 1979
restriction fragment length polymorphism, variety classification 1979
tissue culture
polyamines 4830
somatic embryogenesis 2090
Vitis rupestris
genetic transformation
Agrobacterium rhizogenes 4986
viruses 4986
Vitis vinifera
anther culture
DNA 5414
somatic embryogenesis 1057
cell culture
dimethylallyltranstransferase 5988
isopentenyl diphosphate 2109
polyamines 3748
somatic embryogenesis 6040
DNA, techniques 6582
embryo culture, DNA 5414
gene expression
enzymes 5126
flavonoids 5126
light 5126
stilbenes 5126
gene tagging 2009
genetic engineering
phytoalexins 3364
resveratrol 3364
trihydroxystilbene synthase 3364
genetic transformation
Agrobacterium rhizogenes 4986
coat proteins, viruses 1708
viruses 4986
in vitro culture, reviews 2111
in vitro selection, anthocyanins 2877
molecular genetics, repetitive DNA 2009
nucleotide sequences
enzymes 5126
flavonoids 5126
light 5126
stilbenes 5126
ovule culture 1056
random amplified polymorphic DNA, variety classification 1984
restriction fragment length polymorphism, variety classification 3080, 3627
somaclonal variation
anthocyanins 2877
grapevine fanleaf nepovirus 1005
grapevine leafroll associated closterovirus 1005
tissue culture
carbon dioxide 2089
ovules 468
somaclonal variation 5554
somatic embryogenesis 468, 6040
Vitrification, tissue culture, *Fragaria ananassa* 998
Vitronectin
DNA hybridization
Glycine max 5313
Lilium longiflorum 5313
Vivipary
gene expression
Oryza sativa 5106
Zea mays 6416
mutations, *Zea mays* 6416
nucleotide sequences, *Oryza sativa* 5106
Vomitoxin, *in vitro* selection, triticale 1718
Von Willebrand factor, repetitive DNA, restriction fragment length polymorphism, dogs 6498
Vulpia fasciculata, DNA hybridization 1875

Warfarin
biotransformation, *Catharanthus roseus* 4454
cell culture, *Catharanthus roseus* 4454
Waste utilization, lignocellulose, reviews 2702
Waste water treatment, dairy factories, biological filtration, USA 4348
Wastes, biosurfactants, production, reviews 6094
Water
ELISA
alachlor 448
atrazine 450
cyanazine 450
herbicide residues 450
pesticide residues 428
transporters
gene expression, kidneys, rats 718
nucleotide sequences, kidneys, rats 718
Water balance
cell culture, *Capsicum annuum* 6650
in vitro selection, *Capsicum annuum* 6650
nucleotide sequences, *Arabidopsis thaliana* 223
Water soluble proteins
gene mapping, *Hordeum vulgare* 4723
restriction fragment length polymorphism, *Hordeum vulgare* 4723
Water stress, gene expression, plants 4351
Watermelon mosaic 2 potyvirus, ELISA, *Citrullus lanatus* 431
Weigela florida, tissue culture 492
Wheat streak mosaic rymovirus, restriction fragment length polymorphism, *Zea mays* 5923
Whey
anaerobic digestion, surfactants, methane production 6707
cattle dung, poultry manure, anaerobic digestion, methane production, temperature, retention 6708
Whey protein, promoters, DNA footprinting, rats 3007
Wild animals
fallow deer
embryo transfer, pregnancy rate 3160
embryos, recovery, superovulation 3160
gaur
embryos, *in vitro* development 4858
oocytes
in vitro fertilization 4858
in vitro maturation 4858
pregnancy rate, embryo transfer 4858
red deer
embryo transfer, pregnancy rate 3160
embryos, recovery, superovulation 3160
Winteraceae
nucleotide sequences
evolution 4566
ribosomal DNA 4566
Woody plants, protoplasts 2650
Wool production, transgenics, sheep, reviews 2818
Wounding
gene expression
Hordeum vulgare 6176
Lycopersicon esculentum 5531
Nicotiana tabacum 5641
Phaseolus vulgaris 6175
Vigna angularis 5655
nucleotide sequences
Nicotiana tabacum 5641
Vigna angularis 5655
X chromosome
fragility
nucleotide sequences, mice 3936
RNA, alternative splicing, mice 3936
inactivation
gene mapping, microsatellites, mice 1419
histones, acetylation, mice 363
reporter genes, transgenics, mice 3005
organization, satellite DNA, laboratory mammals, reviews 5864
X chromosome *cont.*
repetitive DNA
gene mapping, DNA hybridization, hamsters 2536
nucleotide sequences, hamsters 2536
X radiation, *Petunia* 4599
X ray diffraction
coat proteins, tobacco mosaic satellite virus 115
RNA, tobacco mosaic satellite virus 115
X-Y separation
sex control
livestock 6675
rabbits 6675
spermatozoa, H-Y antigen, cattle 3238
Xanthomonas campestris
gene expression
Arabidopsis thaliana 5522
Brassica 1165
linkage, *Phaseolus vulgaris* 1997
nucleotide sequences, *Arabidopsis thaliana* 5522
restriction fragment length polymorphism, *Phaseolus vulgaris* 1997
tissue culture, *Prunus persica* 2305
Xanthomonas campestris* pv. *vesicatoria
immunological techniques, histopathology, *Capsicum* 425
nucleotide sequences, virulence, *Lycopersicon esculentum* 93
Xanthomonas oryzae
genetic transformation, *Oryza sativa* 4435
random amplified polymorphic DNA, *Oryza sativa* 400
restriction fragment length polymorphism, *Oryza sativa* 390, 400
Xanthones, tissue culture, *Hypericum patulum* 4458
Xenopus, gene expression, techniques 1456
Xylan endo-1,3-β-xylosidase, nucleotide sequences, *Bacillus* 2714
Xyloglucan transferase
molecular genetics, plants, reviews 4552
nucleotide sequences, plants, reviews 4552
Y chromosome
deletions, sex determination, restriction fragment length polymorphism, mice 4664
detection, genes, polymerase chain reaction, goats 5960
DNA probes, sex diagnosis, embryos, polymerase chain reaction, pigs 5352
gene mapping, sex-determining region Y, pigs 921
repetitive DNA
gene mapping, DNA hybridization, cattle 6502
nucleotide sequences, mice 5598
restriction fragment length polymorphism
fowls 3602
species differences, mice 5598
Yeast artificial chromosomes
Arabidopsis thaliana 4160
DNA, injection, gene transfer, mice 5950
DNA libraries
Beta vulgaris 6522
Oryza sativa 5927
DNA probes, recombinant DNA, techniques 6586
DNA replication, cell lines, mice 5559
gene mapping, recombination walking, techniques 408
gene transfer, gene expression, mice, reviews 32
globins, gene transfer, mice 43, 2224
Glycine max 6570
immunoglobulins, gene transfer, embryonic stem cells, liposomes, mice 3326
proto-oncogenes, gene transfer, cell lines, mice 5478
pulsed field electrophoresis, biglycan, gene mapping, mice 883
repetitive DNA, *Arabidopsis thaliana* 6551
Yeasts
genetic engineering, heat shock proteins 5849
monooxygenases, gene expression 4044
promoters, heat shock proteins 5849
recombination, reviews 2489
somatotropin, probiotics, fishes 5438
Yield components
somaclonal variation
Oryza sativa 1758
Solanum tuberosum 3414
Triticum aestivum 6218
Zantedeschia, restriction fragment length polymorphism, plastids 5934
Zea diploperennis
alcohol dehydrogenase 2941
nucleotide sequences 2941
recombination 2941
Zea luxurians
alcohol dehydrogenase 2941
mitochondrial genetics, plasmids 2943
nucleotide sequences 2941
plasmids 2943
recombination 2941
restriction mapping, plasmids 2943
Zea mays
alcohol dehydrogenase 2941
alcohols, fermentation, biogas, production 2704
anther culture 570, 4254, 5418-5419
haploidy 519, 4877
pollen 514
somatic embryogenesis 1063
antibodies
acetyl-CoA carboxylase 3465
allergens 3469
bilanafos 5539
cell culture 4254
chloroplast genetics 4087, 5919
RNA
alternative splicing
cytochromes 6355
photosystem I 6355
RNA polymerase 5237
triose-phosphate translocator 2940
cloning
alcohol dehydrogenase, *Petunia hybrida* 1617
α-amylase 4010
gibberellic acid 5094
hypoxia, *Petunia hybrida* 1617
phytoene synthase 5629
DNA binding proteins 272
anthocyanins 5639
flavonoids 5800
histones 276
phlobaphene 5800
DNA footprinting
alcohol dehydrogenase 323, 4638
histones 276
matrix associated regions 323
DNA hybridization
accessory chromosomes 2346
centromeres 2346
nuclear localization sequences 303
nuclei 303
repetitive DNA 2346
DNA libraries 5908
DNA methylation
anthocyanins 2351
seeds 5785-5786
transposable elements 5841
variegation 5785-5787
DNA probes
DNA content 5935
endosperm 5935
DNA replication, maize streak monogeminivirus 3131
embryo culture 5993
fertilization 2138, 2141
techniques 4336
flow cytometry
cell division 4745
DNA 4745
germination 4745
gene conversion
leaves 5223
transposable elements 5223
gene dosage, zein 5780
gene expression 287, 3569, 4087, 4602

Zea mays cont.
gene expression *cont.*
abscisic acid 279, 313, 4614, 5240, 6416, 6709
alcohol dehydrogenase 4638, 5818, 5824, 6351, 6366, 6392, 6429
Petunia hybrida 1617
anoxia 6351, 6392, 6429
anther culture 521
anthocyanins 1916, 2351, 2373, 2436-2437, 2439, 2469, 3549, 4625, 6150
antisense DNA 2354
auxin binding proteins 338, 1259
cadmium 5218
calmodulin, binding proteins 2960
carotenoids 5778
catalase 3043, 3204, 3793, 5840, 6709
cell division, reviews 867
Cercospora 3043
cercosporin 3043
chloroplasts 850, 1360
Cochliobolus carbonum 4987
α-coixin 4117
cold resistance 3793, 6709
colour 1916
cysteine endopeptidase 6246
cytochrome monooxygenase 6282
cytochrome-*c* oxidase 1385
cytoplasmic male sterility 3019
development 1897
reviews 5220
differentiation 4625
DNA binding proteins 292, 2481, 4117, 5224
reviews 278
embryogenesis 4614
endosperm 1906, 2466, 5224, 5796
ethylene 4632
evolution 3549
extensin 1897
ferritin 313
flavonoids 5800
flowers 1832
germination 5206
1,4-α-glucan branching enzyme 6382
glucose-1-phosphate adenylyltransferase 3034, 4106, 5796
β-glucosidase 5203
glufosinate 1678
glutamate-ammonia ligase 1352
heat shock proteins 271, 316, 4543, 5640, 6097, 6105
histones 276-277
homeotic genes 340, 1832
hydroxyproline-rich proteins 1897, 5801
hypoxia 5121, 6351
Petunia hybrida 1617
inflorescences 1928
introns 4624
leaves 340
light 4113
luciferase 5824
membrane proteins 1372
mercuric chloride 4353
methyltransferases 851
oncogenes 5206
oxidative stress 3793
pathogenesis-related proteins 6261
phlobaphene 5800
phosphinothricin acetyltransferase 1678
phosphoprotein phosphatase 4113
phosphoproteins 4614
photosynthesis 1360
plant development 1928
plant embryos 279, 5206, 5240, 6416
pollen 271, 2431, 4094
pollen germination 3044
polygalacturonase 1884
polyubiquitin 5662
profilins 743
proteinase inhibitors 6261
protoplasts 6141
pyruvate,orthophosphate dikinase 5829
regenerative ability 521
stress 279, 2431, 4353
sucrose synthase 6366, 6429

Zea mays cont.
gene expression *cont.*
superoxide dismutase 3043, 5713
techniques 1678
transposable elements 2447, 2453, 2487, 3020, 4995-4998, 5232, 5841
triose-phosphate translocator 2940
tubulin 1829, 2354
β-tubulin 3500
ubiquitin 5663, 5776
variegation 5787
vectors 6150
vivipary 6416
zein 343, 348, 2460, 2466, 5771, 5780-5781, 6246
gene mapping 2538-2539, 5885, 5891, 5908, 5919
development 5877
electrophoresis 4731
evolution 924
Gibberella zeae 5523
1,4-α-glucan branching enzyme 2474
height 5894, 5932
male sterility 6070
morphology 1978
pollen germination 6074
proteins 4710
quantitative traits 6511
random amplified polymorphic DNA 5294
repetitive DNA 2006
restriction fragment length polymorphism 4709, 4731, 5272-5273, 5309, 5906
seeds 924
Setosphaeria turcica 3362, 6180
starch 4710
techniques 4731
transposable elements 3081
ubiquitin 5906
gene tagging 287
Cochliobolus carbonum 6536
height 5931
Puccinia sorghi 1181
transposable elements 1181, 6536
genetic engineering 287, 3569, 3860
alcohol dehydrogenase 5818
dihydrokaempferol 4-reductase 5832
DNA binding proteins 292
1,4-α-glucan branching enzyme 6382
glucose-1-phosphate adenylyltransferase 3034
homeotic genes 340
leaves 340
pyruvate,orthophosphate dikinase 5829
reviews 2777
transposable elements 1242, 1996, 2447, 2458, 2487, 2822, 3020, 4995-4996, 4998, 6386
ubiquitin 1118, 1885
zein 343, 2460
genetic markers
anther culture 521
Cercospora zeae-maydis 380
height 5292
morphology 1978
Ostrinia nubilalis 5292
regenerative ability 521
genetic transformation 570, 1670, 3342, 4602
Agrobacterium tumefaciens 1108, 2789, 6195
alcohol dehydrogenase 6366
anthocyanins 4625, 6150
Bacillus thuringiensis 3299
coat proteins
maize chlorotic mottle machlovirus 3370
maize dwarf mosaic potyvirus 3370
Cochliobolus carbonum 4987
differentiation 4625
DNA binding proteins 292
Escherichia coli 2789
glucose-1-phosphate adenylyltransferase 3034
glufosinate 1678
haploidy 2790
hydroxyproline-rich proteins 5801

Zea mays cont.
genetic transformation *cont.*
kanamycin 5483
maize dwarf mosaic potyvirus 3299
maize streak monogeminivirus 3131
Ostrinia nubilalis 3299
phosphinothricin acetyltransferase 1678, 3344, 3854
protoplasts 2790, 6141
sucrose synthase 6366
techniques 23, 1678, 1680, 2789, 3344, 3854, 4394
vectors 6150
virulence 6195
genetics
cytoplasmic male sterility 5558
kanamycin 5483
methomyl 5558
nomenclature 5873
pesticide resistance 5558
glufosinate 5539
immunological techniques
anthocyanins 5962
DNA 5962
ultraviolet radiation 5962
in vitro selection
bilanafos 3854
cytoplasmic male sterility 5558
drought resistance 4354
glufosinate 3854
methomyl 5558
pesticide resistance 5558
salinity 6104
linkage, *Setosphaeria turcica* 5922
maternal effects, zein 5781
matrix associated regions 272
mitochondrial genetics 2470
adenosinetriphosphatase 857, 5953
cadmium 5218
cytochrome-*c* oxidase 384, 1385, 5953
cytoplasm 4014
cytoplasmic male sterility 857, 2160, 3026, 5535
maturase 5705
membrane proteins 1372
membranes 3026, 5535
mycotoxins 5535
NADH dehydrogenase 5705
ribosomal DNA 5953
molecular genetics 272
anthocyanins 1916
catalase 5840
colour 1916
development, reviews 5220
DNA 6426
DNA binding proteins 5224
DNA conformation 4083
endosperm 5224
flavonoids 6426
heterosis 1873
in vitro culture, fertilization 2158
leaves 5223
profilins 4077
Puccinia sorghi 2257
ribosomal DNA 4083
transposable elements 280, 1327, 2257, 3013, 4997, 5223
ultraviolet radiation 6426
mutations
abscisic acid 279, 6416
anthocyanins 2373
DNA binding proteins 3039
endosperm 5796
glucose-1-phosphate adenylyltransferase 5796
height 5932
nuclear localization sequences 3039
plant embryos 279, 6416
seeds 5785
stress 279
variegation 5785
vivipary 6416
zein 343
nuclei 272
nucleotide sequences 2941, 5636
accessory chromosomes 2346
acetyl-CoA carboxylase 3465
alcohol dehydrogenase 5674
allergens 2377, 3469
α-amylase 6332

Zea mays *cont.*
nucleotide sequences *cont.*
anthocyanins 2351, 2373, 2436-2437, 5639
auxin binding proteins 338, 1259
calmodulin 5644
binding proteins 2960
catalase 199
centromeres 2346
chalcone isomerase 2358
chlorophyll *a/b* binding protein 2966
cysteine endopeptidase 6246
cytochrome monooxygenase 6282
DNA binding proteins 5639, 6289
flowers 1832
galacturan 1,4-α-galacturonidase 720
1,4-α-glucan branching enzyme 729
glutamate-ammonia ligase 1352
heat shock proteins 4543, 5640, 6105
homeotic genes 1832
hypoxia 5121
introns 4624
maturase 5705
methyltransferases 851
NADH dehydrogenase 5705
NADH dehydrogenase (ubiquinone) 5117
pollen 2377, 6322
polygalacturonase 1884
polyubiquitin 5662
profilins 743
proteinase inhibitors 6261
repetitive DNA 2346
sucrose synthase 5109
superoxide dismutase 5713
transposable elements 5651, 6322
triose-phosphate translocator 2940
tubulin 1829, 2354
β-tubulin 3500
ubiquitin 5663
zein 5651, 6246
nucleotides 5210
ovule culture, techniques 4336
phosphinothricin acetyltransferase 5539
pollen, techniques 4336
polymerase chain reaction
alcohol dehydrogenase 5674
ancient DNA 6571
cytoplasm 4014
DNA 5345
endosperm 5959
random amplified polymorphic DNA 5941
repetitive DNA 2006
seeds 5345
promoters 4602
adenosinetriphosphatase 5953
alcohol dehydrogenase 4638, 5818
anthocyanins 2373, 2437, 2469
auxin binding proteins 338
α-coixin 4117
cytochrome-*c* oxidase 5953
DNA binding proteins 4117
histones 276-277
pollen 4094
ribosomal DNA 5953
transposable elements 2447, 5232, 5841, 6386
tubulin 1919
ubiquitin 1118, 1885
zein 343, 2460
protoplast fusion 2138, 2141
protoplasts 3342, 4254
random amplified polymorphic DNA 5881-5882, 5914
Gibberella zeae 2549, 5523
nomenclature 5873
techniques 5880
recombination 2941
restriction fragment length polymorphism 401, 2539, 2548, 5885, 5891, 5907-5908, 5914, 5925, 6543-6544
Cercospora zeae-maydis 380
Cochliobolus heterostrophus 5923
cytoplasmic male sterility 6076
development 5877
DNA methylation 1756
endosperm 5286, 5890
evolution 924
fatty acids 5310
Gibberella zeae 2549, 5523

Zea mays *cont.*
restriction fragment length polymorphism *cont.*
growth period 3639
haploidy 519, 4877
height 3639, 5292, 5894, 5931
inbreeding 4164
lysine 5890
maize dwarf mosaic potyvirus 5923
male sterility 6070
nomenclature 5873, 5876
Ostrinia nubilalis 5292
pollen germination 6074
proteins 4710
quality 5310, 6527
repetitive DNA 2006
seeds 924
Setosphaeria turcica 3362, 5922, 6180
starch 4710
techniques 5952
wheat streak mosaic rymovirus 5923
zein 5771, 5890
RNA editing 2470
adenosinetriphosphatase 857
chloroplasts 850
cytoplasmic male sterility 857
serological relationships, viruses 2590
serology, maize stripe tenuivirus 426
somaclonal variation 5418
DNA methylation 1756
ploidy 623
splicing, introns 4624
targeted mutagenesis
cytoplasmic male sterility 5535
membranes 5535
mycotoxins 5535
tissue culture 4254, 5979, 6006
amino acids 6027
catalase 3204
combining ability 6001
gamma radiation 6038
regeneration 6027, 6038
regenerative ability 6001
somatic embryogenesis 988, 6001, 6027
transposable elements 287, 5909
height 5932
reviews 3566
vectors, maize streak monogeminivirus 3131
Zea mexicana
gene mapping, morphology 1978
genetic markers, morphology 1978
Zea parviglumis
gene mapping, morphology 1978
genetic markers, morphology 1978
Zeatin, cell culture, *Catharanthus roseus* 4449
Zein
antibodies 1891
gene dosage, *Zea mays* 5780
gene expression 1891
Zea mays 343, 348, 2460, 2466, 5771, 5780-5781, 6246
genetic engineering, *Zea mays* 343, 2460
maternal effects, *Zea mays* 5781
mutations, *Zea mays* 343
nucleotide sequences, *Zea mays* 5651, 6246
promoters, *Zea mays* 343, 2460
restriction fragment length polymorphism, *Zea mays* 5771, 5890
Zingiber officinale
tissue culture
artificial seeds 4292
Fusarium oxysporum f.sp. *zingiberi* 4292
Zingiberaceae
nucleotide sequences
ribulose-bisphosphate carboxylase 3993
taxonomy 3993
Zingiberales
chloroplast genetics
ribulose-bisphosphate carboxylase 1834
taxonomy 1834
nucleotide sequences
ribulose-bisphosphate carboxylase 1834

Zingiberales *cont.*
nucleotide sequences *cont.*
taxonomy 1834
Zinnia elegans
cell culture 2488
differentiation 2079
gene expression 2488
nucleotide sequences 2353
tissue culture 2353
Zinnia marylandica, somaclonal variation, flowers 2308
Zona pellucida
drilling, embryos, *in vitro* development, sheep 4240
homologues, nucleotide sequences, fishes 5594
Zucchini yellow mosaic potyvirus
gene expression
coat proteins
Cucumis melo 101
Nicotiana tabacum 101
genetic transformation
biosafety, *Nicotiana benthamiana* 116
coat proteins
Cucumis melo 101
Nicotiana benthamiana 116
Nicotiana tabacum 101
transmission, *Nicotiana benthamiana* 116
nucleotide sequences 135
Zymomonas mobilis, starch, fermentation, ethanol production 2711

LIST OF SERIALS ABSTRACTED

Listed below are the titles of the serial publications (excluding most annual reports and conference proceedings) abstracted during 1994 for this journal.
Many other serials were scanned during 1994 but no relevant articles were selected. A full list of all the serials scanned for items suitable for abstracting for the CAB ABSTRACTS database and the whole range of CABI's abstract journals is given in the *CAB International Serials Checklist, 1988 edition.* The publication includes ISSNs and publishers' addresses.

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Agricultural Science
Agriculture, Ecosystems & Environment
Agrivita
Agro Food Industry Hi-Tech
Agronomist
Al Awamia
Allgemeine Forst- und Jagdzeitung
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Anadolu
Analusis
Analytica Chimica Acta
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Analytical Chemistry (Washington)
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Animal Reproduction Science
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Biodiversity and Conservation
BioEssays
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Cahiers Agricultures
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Cell Biology International
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Environmental Science & Technology
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Genetika a Šlechtění
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Genomics (San Diego)
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Hereditas (Landskrona)
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Interciencia
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Lebensmitteltechnik
Letters in Applied Microbiology
Life Sciences
Lindleyana
Livestock Production Science
Louisiana Agriculture
Magnolia
Mais
Maize Genetics Cooperation Newsletter
Mammalian Genome
Maydica
Meat Focus International
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Molecular Brain Research
Molecular Ecology
Molecular Endocrinology (Baltimore)
Molecular Immunology
Molecular Microbiology
Molecular Pharmacology
Molecular Plant-Microbe Interactions
Molecular Reproduction and Development
Molkerei-Zeitung Welt der Milch
Moscow University Biological Sciences Bulletin
Mouse Genome
Mutation Research, Mutation Research Letters
Mycologia
Mycological Research
Mycorrhiza
Nature (London)
Nature Genetics
Neuroendocrinology
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NIZO-Verslag
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Nucleic Acids Research
Oléoscope
Outlook on Agriculture
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Parasitology Today
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Plant Cell
Plant Cell Reports
Plant Cell, Tissue and Organ Culture
Plant Disease
Plant Growth Regulation
Plant Journal
Plant Molecular Biology
Plant Molecular Biology Reporter
Plant Pathology
Plant Physiology
Plant Physiology and Biochemistry (Paris)
Plant Science (Limerick)
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Plant, Cell and Environment
Planta
Planta Medica
Planters' Chronicle
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Praxis Veterinaria (Milano)

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CABI is dedicated to improving human welfare worldwide through the dissemination, application and generation of scientific knowledge in support of sustainable development, with emphasis on agriculture, forestry, human health and the management of natural resources, and with particular attention to the needs of developing countries.

Information Services

Scientific and technical information services are provided, derived principally from bibliographic databases built by CABI staff from the world's relevant published literature, with assistance from freelance workers and contracted organizations.

CABI's main databases, CAB ABSTRACTS and *Public Health and Tropical Medicine* (PHTM), cover:

agriculture - forestry and forest products - field crops - grasslands - horticulture - crop protection - plant and animal breeding - veterinary science - leisure, recreation and tourism - rural sociology and development - environmental sciences - soils, land and water management - biotechnology - human and animal nutrition - human and animal parasitology - public health - communicable diseases - AIDS.

The PHTM database is produced by the Bureau of Hygiene and Tropical Diseases, which was incorporated into CABI in March 1993.

Outputs from these databases are distributed in printed form, and in electronic form on diskette, CD-ROM (compact disc) and magnetic tape. Online access is provided by commercial database vendors. These products and services are used by research scientists, teachers and students in higher education, development planners, health workers, and other professionals. Copies of source documents are available through CABI's Document Delivery Service.

CABI also publishes books, primary journals, newsletters and training manuals.

Research and development is undertaken in innovative information systems. Training in information management is offered, especially for developing countries. Advice and practical assistance are given in the design and implementation of science-based information systems, and in the use of modern information technology. Where necessary, partnerships with development assistance agencies are sought to help developing countries acquire the products and services they need.

For further details of all CABI's information products and services see inside back cover.

Scientific Services

CABI's scientific services are centred on its four institutes.

International Institute of Entomology
56 Queen's Gate, London, SW7 5JR, UK, and in the Natural History Museum

International Institute of Parasitology
395a Hatfield Road, St Albans, Herts AL4 OXU, UK

International Mycological Institute
Bakeham Lane, Egham, Surrey TW20 9TY, UK

International Institute of Biological Control
Silwood Park, Buckhurst Road, Ascot, Berks SL5 7TA, UK, with field stations in Trinidad & Tobago, Switzerland, Pakistan, Malaysia and Kenya.

The services provided include:

- authoritative identification of crop pests and pathogens, and parasitic helminths
- survey and diagnosis of plant health problems
- support for integrated pest management, with emphasis on biological control
- biosystematic research on arthropods, micro-organisms, nematodes and helminths
- diagnosis of biodeterioration problems for industry
- research on human mycoses and tropical parasitic diseases
- training, consultancy and advice in all these areas

CABI also provides the Technical Secretatiat of the Consultative Group for BioNET INTERNATIONAL, an international cooperative endeavour dedicated to the development of effective biosystematic capabilities and services in developing countries.

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